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<tr>
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<td>PASSENGER AIRBAG MODULE LH</td>
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<td>B0020</td>
<td>SIDE AIRBAG MODULE LH</td>
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<td>B0028</td>
<td>SIDE AIRBAG MODULE RH</td>
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<td>B0029</td>
<td>SIDE CURTAIN AIR BAG MODULE RH</td>
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<td></td>
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</tr>
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<td>B0030</td>
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<td>B0031</td>
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<td>B0096</td>
<td>FRONT SIDE AIR BAG SATELLITE SENSOR RH</td>
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<tr>
<td>B0097</td>
<td>REAR SIDE AIR BAG SATELLITE SENSOR RH</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>B0098</td>
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<td>B0099</td>
<td>PASSENGER AIRBAG OFF INDICATION</td>
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<td>B0130</td>
<td>SEAT BELT PRE-TENSIONER</td>
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<td></td>
</tr>
<tr>
<td>B0131</td>
<td>SEAT BELT PRE-TENSIONER</td>
<td></td>
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<td>B0132</td>
<td>LAP PRE-TENSIONER</td>
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<td></td>
</tr>
<tr>
<td>B0133</td>
<td>LAP PRE-TENSIONER</td>
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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. 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 three minutes before performing any service.

**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 elapsed.
- Diagnosis sensor unit must always be installed with their arrow marks “⇐” pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper functioning after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

**Occupant Classification System Precaution**
- Replace occupant classification system control unit and passenger front seat cushion as an assembly. Refer to SE-32, "DRIVER SIDE : Removal and Installation".
### COMPONENT PARTS

#### COMPONENT PARTS

<table>
<thead>
<tr>
<th>No.</th>
<th>Component</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Spiral cable</td>
<td>The spiral cable provides a rotating physical connection to the driver air bag module.</td>
</tr>
<tr>
<td>2.</td>
<td>Drivers air bag module</td>
<td>Refer to SRC-7, &quot;Driver Air Bag Module&quot;.</td>
</tr>
<tr>
<td>3.</td>
<td>Front passenger air bag module</td>
<td>Refer to SRC-7, &quot;Front Passenger Air Bag Module&quot;.</td>
</tr>
<tr>
<td>4.</td>
<td>Front door satellite sensor</td>
<td>Refer to SRC-9, &quot;Front Door Satellite Sensor&quot;.</td>
</tr>
<tr>
<td>5.</td>
<td>Air bag diagnosis sensor unit</td>
<td>Refer to SRC-8, &quot;Air Bag Diagnosis Sensor Unit&quot;.</td>
</tr>
<tr>
<td>6.</td>
<td>Seat belt buckle switch (driver seat)</td>
<td>The seat belt buckle switch LH provides the seat belt buckle signals to the air bag diagnosis sensor unit and the combination meter.</td>
</tr>
<tr>
<td>7.</td>
<td>Seat belt buckle switch (passenger seat)</td>
<td>The seat belt buckle switch RH provides the seat belt buckle signals to the air bag diagnosis sensor unit and the combination meter.</td>
</tr>
<tr>
<td>8.</td>
<td>Front LH seat belt pre-tensioner (RH similar)</td>
<td>Refer to SRC-8, &quot;Front Seat Belt Pre-tensioner&quot;.</td>
</tr>
<tr>
<td>9.</td>
<td>Front side air bag satellite sensor</td>
<td>Refer to SRC-9, &quot;Front Side Air Bag Satellite Sensor&quot;.</td>
</tr>
<tr>
<td>10.</td>
<td>Rear side air bag satellite sensor LH (RH similar)</td>
<td>Refer to SRC-8, &quot;Rear Side Air Bag Satellite Sensor&quot;.</td>
</tr>
<tr>
<td>11.</td>
<td>Side curtain air bag module RH (LH similar)</td>
<td>Refer to SRC-7, &quot;Side Curtain Air Bag Module&quot;.</td>
</tr>
<tr>
<td>12.</td>
<td>Side air bag module RH (LH similar)</td>
<td>Refer to SRC-7, &quot;Front Side Air Bag Module&quot;.</td>
</tr>
<tr>
<td>13.</td>
<td>Occupant classification system control unit</td>
<td>Refer to SRC-11, &quot;OCCUPANT CLASSIFICATION SYSTEM : System Description&quot;.</td>
</tr>
</tbody>
</table>

---

**Revision:** September 2015

**SRC-6**

2016 Rogue NAM
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 dual stage and 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, "SRS AIR BAG SYSTEM : System Description" for more information.

Front Side Air Bag Module

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 Module

Side curtain air bag modules are located above the vehicle headlining. Vehicles with side curtain air bags are equipped with labels on the pillar upper finishers.
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 shoulder belt pre-tensioner as well as the lap belt 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.

Air Bag Diagnosis Sensor Unit

The air bag diagnosis sensor unit is located under the center console assembly. The air bag diagnosis sensor unit receives signals from multiple SRS sensors and controls the deployment of the air bags. The deployment of the air bags depends on the type and severity of the collision. The air bag diagnosis sensor unit has self-diagnosis capability through the use of the CONSULT as well as flash codes displayed by the air bag warning lamp.

Crash Zone Sensor

The crash zone sensor is located in front of the radiator. The crash zone sensor sends signals to the air bag diagnosis sensor unit during a frontal collision. This sensor may be identified by a yellow connector.

Front Side Air Bag Satellite Sensor

The front side air bag satellite sensors are located on the front center pillar LH and RH next to the seat belt pretensioners. The front side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.
Rear Side Air Bag Satellite Sensor

The rear side air bag satellite sensors are located behind the luggage side lower finisher LH and RH. The rear side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.

Front Door Satellite Sensor

The front door satellite sensors are located in the driver and passenger doors. The front door satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.
SRS AIR BAG SYSTEM

SRS AIR BAG SYSTEM : System Description

DESCRIPTION

• 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 Collision Modes

<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>x</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Front passenger air bag module</td>
<td>x</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Front LH seat belt pre-tensioner</td>
<td>x</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Front RH seat belt pre-tensioner</td>
<td>x</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Front LH side air bag module</td>
<td>—</td>
<td>x</td>
<td>—</td>
</tr>
<tr>
<td>Front RH side air bag module</td>
<td>—</td>
<td>—</td>
<td>x</td>
</tr>
<tr>
<td>LH side curtain air bag module</td>
<td>—</td>
<td>—</td>
<td>x</td>
</tr>
<tr>
<td>RH side curtain air bag module</td>
<td>—</td>
<td>—</td>
<td>x</td>
</tr>
</tbody>
</table>

OCCUPANT CLASSIFICATION SYSTEM
DESCRIPTION
The occupant classification system (OCS) identifies different size occupants, out of position occupants, and detects if child seat is present in the front passenger seat. The OCS control unit (2) receives inputs from the occupant classification sensors (1) (located on the passenger seat track assembly). Depending on classification of the passenger, the OCS 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 passenger front air bag in the event of a collision. Depending on the signals received, the air bag diagnosis sensor unit can disable the passenger front air bag completely. The OCS (weight sensors) must be set to zero point using CONSULT after servicing the OCS system.

NOTE:
• CONSULT can be used to confirm when “zero point reset” for OCS is complete.
• Always perform zero point reset after the removal and installation of the seat or when disconnecting the OCS control unit harness connector even if zero point reset has been completed in the past.
• If zero point reset is incomplete, the passenger air bag will be disabled and the passenger air bag off indicator will be ON.
• In case of customer concern, CONSULT can be used to confirm the passenger air bag status (readiness).

<table>
<thead>
<tr>
<th>Passenger Air Bag Status Conditions</th>
<th>PASS AIR BAG OFF Indicator (Status)</th>
<th>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.

SEAT BELT WARNING LAMP SYSTEM

SEAT BELT WARNING LAMP SYSTEM : System Description

SYSTEM DIAGRAM
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-11, "OCCUPANT CLASSIFICATION SYSTEM : System Description".

### 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>Off</td>
<td></td>
</tr>
<tr>
<td>Seat unoccupied</td>
<td></td>
<td>Unbuckled</td>
<td>On</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td></td>
<td>—</td>
<td>Unbuckled</td>
<td>On</td>
<td></td>
</tr>
</tbody>
</table>
DIAGNOSIS SYSTEM (AIR BAG)

Description

CAUTION:
• Never use electrical test equipment on any circuit related to the SRS unless instructed in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.
• Never repair, splice or modify the SRS wiring harness. If the harness is damaged, replace it with a new one.
• Keep ground portion clean.

DIAGNOSIS FUNCTION
• The SRS self diagnostic result can be read with 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 per the following items.

On Board Diagnosis Function

ON-BOARD DIAGNOSIS
There are two self diagnosis functions with air bag warning lamp per the following items:
• USER MODE
• DIAGNOSIS MODE

METHOD OF STARTING
• Diagnosis mode changes from user mode to diagnosis mode when changing operation is performed.
• In user mode, when SRS air bag warning lamp is not turning ON, changing to diagnosis mode by ignition switch operation is not possible.
• In diagnosis mode, when repair is complete and system is normal, the mode changes to user mode when ignition switch is turned from OFF to ON.

Procedure to Change Diagnosis Mode
1. Turn ignition switch from OFF to ON.
2. SRS air bag lamp turns ON for 7 seconds and turns OFF, then turn ignition switch OFF within 2 seconds after the lamp turns OFF.

   NOTE:
   When in Diagnosis Mode, the air bag warning lamp may illuminate for more than 7 seconds after the ignition switch is turned ON. If this is the case, the ignition switch must still be cycled OFF after 7 seconds.
3. After turning ignition switch OFF, wait for 3 seconds or more.
4. Repeat operation 1 to 3 for 2 times so that operation 1 to 3 is repeated for 3 times in total.
5. Turn ignition switch from OFF to ON. Diagnosis mode changes.

USER MODE
In USER MODE, air bag warning lamp on combination meter turns ON when a malfunction is detected and warns the customer (driver).

How to Read Air Bag Warning Lamp
1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp turns ON.
2. Compare the air bag warning lamp operation pattern with the examples.

Air Bag Warning Lamp Examples:
## DIAGNOSIS SYSTEM (AIR BAG)

### < SYSTEM DESCRIPTION >

#### Warning lamp flashing pattern (User Mode)

<table>
<thead>
<tr>
<th>Warning lamp</th>
<th>SRS condition</th>
<th>Reference item</th>
</tr>
</thead>
</table>
| ![Warning Lamp Diagram](image1) | - No malfunction is detected.  
- No further action is necessary. | — |
| ![Warning Lamp Diagram](image2) | The system is malfunctioning and needs to be repaired. | Refer to SRC-16, "Trouble Diagnosis with CONSULT" or SRC-14, "On Board Diagnosis Function". |
| ![Warning Lamp Diagram](image3) | - Air bag is deployed.  
- Seat belt pre-tensioner is deployed. | Refer to Frontal collision: SR-5, "FOR FRONTAL COLLISION : When SRS is activated in a collision", SR-6, "FOR FRONTAL COLLISION : When SRS is not activated in a collision" or Side and rollover collision: SR-7, "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision", SR-9, "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision". |
| ![Warning Lamp Diagram](image4) | - Air bag diagnosis sensor unit is malfunctioning.  
- Air bag power supply circuit is malfunctioning.  
- SRS air bag warning lamp circuit is malfunctioning. | Refer to SRC-114, "AIR BAG Warning Lamp Does Not Turn Off". |
| ![Warning Lamp Diagram](image5) | - Air bag diagnosis sensor unit is malfunctioning.  
- Air bag warning lamp circuit is malfunctioning. | Refer to SRC-113, "AIR BAG Warning Lamp Does Not Turn On". |

### DIAGNOSIS MODE

**NOTE:**
Diagnosis Mode can not be entered if a malfunction is not 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.
< SYSTEM DESCRIPTION >

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-21, "Flash Code Index".

Trouble Diagnosis with CONSULT

1. Connect CONSULT.
2. DTC is displayed on “Self Diagnostic Result”.

NOTE:
If a malfunction is not detected on "Self Diagnostic Result [CURRENT]", but a malfunction is detected during SRS Operation Check, the following cases may exist:
- "Self Diagnostic Result [PAST]" memory might not be erased. Refer to SRC-14, "On Board Diagnosis Function".
- SRS system malfunctions intermittently. Refer to SRC-43, "Inspection Procedure".

DIAGNOSIS MODE

1. Connect CONSULT.
2. Confirm that zero point reset of OCS is complete.
3. If no DTCs are detected on “Self Diagnostic Result [CURRENT]”, repair of SRS is completed. Go to step 4.
   If any DTCs are detected on “Self Diagnostic Result [CURRENT]”, the malfunction has not been repaired completely or another malfunction is being detected. Perform SRS Operation Check again. Refer to SRC-14, "On Board Diagnosis Function".
4. Touch “ERASE”.
   NOTE:
   Touching “ERASE” will clear the SRS memory of the malfunction (“Self Diagnostic Result [PAST]”). If “Self Diagnostic Result [PAST]” is not erased, User Mode may show the previous system malfunction even if the malfunction has been repaired completely.
5. Check that no malfunction is detected in “Self Diagnostic Result [PAST]”.
6. Exit Diagnosis Mode and disconnect the CONSULT.
7. Perform SRS Operation Check. Refer to SRC-14, "On Board Diagnosis Function".

SRS HISTORY CHECK

1. Check repair history of the SRS. If no repairs have been made, perform SRC-14, "On Board Diagnosis Function". If repairs have been made, GO TO step 2.
2. Erase "Self Diagnostic Result [PAST]" after repair. Refer to SRC-14, "On Board Diagnosis Function".

CONSULT Function (AIR BAG)

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

<table>
<thead>
<tr>
<th>Diagnostic Test Mode</th>
<th>Diagnostic Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self Diagnostic Result</td>
<td>SELF DIAGNOSTIC RESULT [CURRENT]</td>
<td>A current “Self Diagnostic 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>Data Monitor</td>
<td>DATA MONITOR</td>
<td>Displays air bag diagnosis sensor unit input/output data in real time.</td>
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<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>
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## Diagnosis Sensor Unit

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<td>PRE-TEN FRONT LH 2 [GND-SHORT]</td>
<td></td>
</tr>
<tr>
<td>B1432–12</td>
<td>PRE-TEN FRONT LH 2 [VB-SHORT]</td>
<td></td>
</tr>
<tr>
<td>B1432–13</td>
<td>PRE-TEN FRONT LH 2 [OPEN]</td>
<td></td>
</tr>
<tr>
<td>B1432–1A</td>
<td>PRE-TEN FRONT LH 2 [SHORT]</td>
<td></td>
</tr>
<tr>
<td>B1433–09</td>
<td>PRE-TEN FRONT RH 2 [SHORT]</td>
<td>SRC-105, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td>B1433–11</td>
<td>PRE-TEN FRONT RH 2 [GND-SHORT]</td>
<td></td>
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<tr>
<td>B1433–12</td>
<td>PRE-TEN FRONT RH 2 [VB-SHORT]</td>
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</tr>
<tr>
<td>B1433–13</td>
<td>PRE-TEN FRONT RH 2 [OPEN]</td>
<td></td>
</tr>
<tr>
<td>B1433–1A</td>
<td>PRE-TEN FRONT RH 2 [SHORT]</td>
<td></td>
</tr>
</tbody>
</table>

Revision: September 2015

SRC-20

2016 Rogue NAM
## Flash Code Index

### WARNING LAMP FLASH CODE CHART

How to read flash codes

1. Put the vehicle in Diagnosis Mode. Refer to **SRC-14, "On Board Diagnosis Function"**.
2. All codes are followed by a seven second “holding” flash.
3. Identify how many primary flashes are displayed as well as the length of each primary flash.
4. Refer to the tables and examples below to determine which SRS subsystem the code belongs to.
5. Count the short secondary flashes that follow the primary flashes.
6. Match the correct flashing pattern to the malfunctioning component and perform the Diagnosis Procedure.

Refer to the illustrations below for an example of each flashing pattern.

### Front subsystem

<table>
<thead>
<tr>
<th>DTC</th>
<th>Diagnostic item</th>
<th>Reference page</th>
</tr>
</thead>
<tbody>
<tr>
<td>B142A–16</td>
<td>IGNITION VOLTAGE [VB-LOW]</td>
<td>SRC-107, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td>B142A–17</td>
<td>IGNITION VOLTAGE [VB-HIGH]</td>
<td></td>
</tr>
<tr>
<td>B1400–00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1401–00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1402–00</td>
<td></td>
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<tr>
<td>B1403–00</td>
<td></td>
<td></td>
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<tr>
<td>B1404–00</td>
<td></td>
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<tr>
<td>B1405–00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1406–00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1407–00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1408–00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1409–00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1410–00</td>
<td>CONTROL UNIT [UNIT MALFUNC]</td>
<td>SRC-110, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td>B1411–00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1412–00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B1413–00</td>
<td></td>
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<td>B1414–00</td>
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<td>B1415–00</td>
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<td>B1417–00</td>
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<td>B1418–00</td>
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<td>B1419–00</td>
<td></td>
<td></td>
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<tr>
<td>B1420–00</td>
<td></td>
<td></td>
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<tr>
<td>B1421–00</td>
<td>FRONTAL COLLISION</td>
<td>SRC-110, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td>B1422–00</td>
<td>SIDE COLLISION</td>
<td>SRC-112, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td>B1427–55</td>
<td>ECU SETTING</td>
<td></td>
</tr>
</tbody>
</table>
### Side subsystem

<table>
<thead>
<tr>
<th>Flashes (Primary)</th>
<th>Flash Length (seconds)</th>
<th>Malfunctioning Component or Circuit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.5</td>
<td>Driver air bag module</td>
<td>SRC-47, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td>2</td>
<td>1.5</td>
<td>Passenger air bag module</td>
<td>SRC-50, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td>3</td>
<td>1.5</td>
<td>Front LH seat belt pre-tensioner (shoulder)</td>
<td>SRC-97, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td>4</td>
<td>1.5</td>
<td>Front RH seat belt pre-tensioner (shoulder)</td>
<td>SRC-100, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td>5</td>
<td>1.5</td>
<td>Front LH seat belt pre-tensioner (lap)</td>
<td>SRC-103, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td>6</td>
<td>1.5</td>
<td>Front RH seat belt pre-tensioner (lap)</td>
<td>SRC-105, &quot;Diagnosis Procedure&quot;</td>
</tr>
</tbody>
</table>

### Air bag subsystem

<table>
<thead>
<tr>
<th>Flashes (Primary)</th>
<th>Flash Length (seconds)</th>
<th>Malfunctioning Component or Circuit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.5</td>
<td>Front LH side air bag module</td>
<td>SRC-53, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td>2</td>
<td>1.5</td>
<td>Front RH side air bag module</td>
<td>SRC-59, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td>3</td>
<td>1.5</td>
<td>LH side curtain air bag module</td>
<td>SRC-56, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td>4</td>
<td>1.5</td>
<td>RH side curtain air bag module</td>
<td>SRC-62, &quot;Diagnosis Procedure&quot;</td>
</tr>
</tbody>
</table>
### Diagnostics Sensor Unit

#### Air Bag Diagnosis Sensor Unit

<table>
<thead>
<tr>
<th>Flashes (Primary)</th>
<th>Flash Length (seconds)</th>
<th>Flashes (Secondary)</th>
<th>Malfunctioning Component or Circuit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td></td>
<td>Collision detection</td>
<td>SRC-109, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>Air bag diagnosis sensor unit</td>
<td>SRC-110, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>Passenger air bag OFF indicator</td>
<td>SRC-91, &quot;Diagnosis Procedure&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td>Occupant classification system</td>
<td>SRC-86, &quot;Diagnosis Procedure (B00A0-00, -02 or -09)&quot;, SRC-87, &quot;Diagnosis Procedure (B00A0-04)&quot;, SRC-88, &quot;Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)&quot;, SRC-89, &quot;Diagnosis Procedure (B00A0-93)&quot;</td>
</tr>
</tbody>
</table>

Sensor subsystem

#### Crash Zone Sensor

<table>
<thead>
<tr>
<th>ON</th>
<th>Ignition ON</th>
<th>OFF</th>
<th>Pattern repeats</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air bag warning lamp</td>
<td>About 7 sec.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flashes (Primary)</td>
<td>Flash Length (seconds)</td>
<td>Flashes (Secondary)</td>
<td>Malfunctioning Component or Circuit</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------</td>
<td>---------------------</td>
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<tr>
<td>2</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Crash zone sensor</td>
<td>SRC-74, &quot;Diagnosis Procedure&quot;</td>
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</tr>
<tr>
<td>2</td>
<td>Front side air bag satellite sensor LH</td>
<td>SRC-65, &quot;Diagnosis Procedure&quot;</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Front side air bag satellite sensor RH</td>
<td>SRC-77, &quot;Diagnosis Procedure&quot;</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Rear side satellite sensor LH</td>
<td>SRC-68, &quot;Diagnosis Procedure&quot;</td>
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<tr>
<td>5</td>
<td>Rear side satellite sensor RH</td>
<td>SRC-80, &quot;Diagnosis Procedure&quot;</td>
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<tr>
<td>6</td>
<td>Front door satellite sensor LH</td>
<td>SRC-71, &quot;Diagnosis Procedure&quot;</td>
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<tr>
<td>7</td>
<td>Front door satellite sensor RH</td>
<td>SRC-83, &quot;Diagnosis Procedure&quot;</td>
<td></td>
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<tr>
<td>8</td>
<td>Seat belt buckle switch LH</td>
<td>SRC-93, &quot;Diagnosis Procedure&quot;</td>
<td></td>
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<tr>
<td>9</td>
<td>Seat belt buckle switch RH</td>
<td>SRC-95, &quot;Diagnosis Procedure&quot;</td>
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</table>
SRS AIR BAG SYSTEM

< WIRING DIAGRAM >
### SRS AIR BAG SYSTEM

#### WIRING DIAGRAM

<table>
<thead>
<tr>
<th>Terminal No.</th>
<th>Color of Wire</th>
<th>Signal Name</th>
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</thead>
<tbody>
<tr>
<td>65</td>
<td>P</td>
<td>P-L H+</td>
</tr>
<tr>
<td>66</td>
<td>GR</td>
<td>P-L H-</td>
</tr>
<tr>
<td>67</td>
<td>SB</td>
<td>LH BUCKLE SW-</td>
</tr>
<tr>
<td>68</td>
<td>G</td>
<td>LH B-SAT-</td>
</tr>
<tr>
<td>69</td>
<td>R</td>
<td>LH B-SAT+</td>
</tr>
<tr>
<td>70</td>
<td>GND</td>
<td>GND</td>
</tr>
<tr>
<td>71</td>
<td>SHIELD</td>
<td>SHIELD</td>
</tr>
<tr>
<td>72</td>
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<table>
<thead>
<tr>
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<th>Color of Wire</th>
<th>Signal Name</th>
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<tbody>
<tr>
<td>61</td>
<td>L</td>
<td>LH C-SAT+</td>
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<tr>
<td>62</td>
<td>P</td>
<td>LH C-SAT-</td>
</tr>
<tr>
<td>63</td>
<td></td>
<td></td>
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<tr>
<td>64</td>
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<table>
<thead>
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<th>Signal Name</th>
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<tbody>
<tr>
<td>51</td>
<td>G</td>
<td>LH SBUB #1</td>
</tr>
<tr>
<td>52</td>
<td>R</td>
<td>LH SBUB #1</td>
</tr>
<tr>
<td>53</td>
<td>V</td>
<td>LH SBUB #2</td>
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<table>
<thead>
<tr>
<th>Terminal No.</th>
<th>Color of Wire</th>
<th>Signal Name</th>
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<tbody>
<tr>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Connector No.</th>
<th>Connector Name</th>
<th>Connector Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>B78</td>
<td>AIR BAG DIAGNOSIS SENSOR UNIT</td>
<td>YELLOW</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Connector No.</th>
<th>Connector Name</th>
<th>Connector Color</th>
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</thead>
<tbody>
<tr>
<td>B80</td>
<td>REAR SIDE SATELITE SENSOR LH</td>
<td>YELLOW</td>
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<table>
<thead>
<tr>
<th>Connector No.</th>
<th>Connector Name</th>
<th>Connector Color</th>
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</thead>
<tbody>
<tr>
<td>B82</td>
<td>SIDE AIR BAG MODULE LH</td>
<td>YELLOW</td>
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<table>
<thead>
<tr>
<th>Connector No.</th>
<th>Connector Name</th>
<th>Connector Color</th>
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</thead>
<tbody>
<tr>
<td>B81</td>
<td>FRONT AIR BAG SATELITE SENSOR LH</td>
<td>YELLOW</td>
</tr>
</tbody>
</table>

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2016 Rogue NAM
# SRS AIR BAG SYSTEM

## Wiring Diagram

### Connector No.: B128
- **Connector Name:** FRONT SIDE AIR BAG SATELLITE SENSOR RH
- **Connector Color:** YELLOW

<table>
<thead>
<tr>
<th>Terminal No.</th>
<th>Color of Wire</th>
<th>Signal Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>R</td>
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</tr>
<tr>
<td>2</td>
<td>G</td>
<td></td>
</tr>
</tbody>
</table>

### Connector No.: B127
- **Connector Name:** WIRE TO WIRE
- **Connector Color:** WHITE

<table>
<thead>
<tr>
<th>Terminal No.</th>
<th>Color of Wire</th>
<th>Signal Name</th>
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<tbody>
<tr>
<td>1</td>
<td>GR</td>
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</tr>
<tr>
<td>2</td>
<td>B</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>BG</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>V</td>
<td></td>
</tr>
</tbody>
</table>

### Connector No.: B126
- **Connector Name:** REAR SIDE SATELLITE SENSOR RH
- **Connector Color:** YELLOW

<table>
<thead>
<tr>
<th>Terminal No.</th>
<th>Color of Wire</th>
<th>Signal Name</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>BR</td>
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<tr>
<td>2</td>
<td>Y</td>
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</table>

### Connector No.: B129
- **Connector Name:** SIDE AIR BAG MODULE RH
- **Connector Color:** YELLOW

<table>
<thead>
<tr>
<th>Terminal No.</th>
<th>Color of Wire</th>
<th>Signal Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>V</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>P</td>
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</table>

### Connector No.: B134
- **Connector Name:** WIRE TO WIRE
- **Connector Color:** WHITE

<table>
<thead>
<tr>
<th>Terminal No.</th>
<th>Color of Wire</th>
<th>Signal Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>SB</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>B</td>
<td></td>
</tr>
</tbody>
</table>

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SRC-34

2016 Rogue NAM
< BASIC INSPECTION >

BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

OVERALL SEQUENCE

[Diagram of work flow process]

1. INTERVIEW THE CUSTOMER FOR THE SYMPTOM
2. CHECK SYMPTOM
3. CHECK WARNING LAMP OPERATION
   - Malfunction is detected.
   - Malfunction is not detected.
5. CHECK SELF DIAGNOSTIC RESULTS
   - DTC is detected
   - DTC is not detected
4. CHECKING LOW VOLTAGE
   - Malfunction is not detected.
6. PERFORM DTC CONFIRMATION PROCEDURE
7. PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION
8. DETECT MALFUNCTION PART BY DIAGNOSIS PROCEDURE
9. REPAIR OR REPLACE MALFUNCTION PART
10. ON BOARD DIAGNOSIS FUNCTION
    - Malfunction is not repaired.
    - Malfunction is repaired.

INSPECTION END

INFOID:0000000012424995

OVERALL SEQUENCE

INFOID:0000000012424995
< BASIC INSPECTION >

1. INTERVIEW THE CUSTOMER FOR THE SYMPTOM

Interview the customer for the symptom (the condition and the environment when the incident/malfunction occurs).

   >> GO TO 2.

2. CHECK SYMPTOM

Check the symptom from the customer information.

   >> GO TO 3.

3. CHECK WARNING LAMP OPERATION

Check air bag warning lamp operation in the user mode.

Are any malfunction detected?

YES  >> GO TO 5.
NO   >> GO TO 4.

4. CHECK LOW VOLTAGE

Check low voltage with CONSULT.

Are any malfunction detected?

YES  >> GO TO 9.
NO   >> Check intermittent incident. Refer to GI-45, "Intermittent Incident".

5. CHECK SELF DIAGNOSTIC RESULT

Check "Self Diagnostic Result" with CONSULT or diagnosis mode.

If it is impossible to switch to diagnosis mode, follow the same procedure that DTC is not detected.

NOTE:
Perform the following procedure if DTC is detected.
• Record DTC (Print them out with CONSULT.)
• Erase “Self Diagnostic Result”.
• Study the relationship between the malfunction that DTC or air bag warning lamp indicates and the symptom that the customer describes.
• Check related service bulletins for information.

Is DTC detected?

YES  >> GO TO 6.
NO   >> GO TO 7.

6. PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the DTC.

   >> GO TO 8.

7. PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION

1. Check air bag warning lamp operation in the user mode.
2. Perform Diagnosis Procedure for the air bag warning lamp operation.

   >> GO TO 9.

8. DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the DTC.

   >> GO TO 9.

9. REPAIR OR REPLACE THE MALFUNCTION PART

Repair or replace the malfunctioning part.
< BASIC INSPECTION >

>> GO TO 10.

10. ON BOARD DIAGNOSIS FUNCTION

Check self diagnostic result and air bag warning lamp operation in the user mode.

Is the malfunction repaired?

YES >> Inspection End.
NO  >> GO TO 2.
ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

When replacing the occupant classification system control unit, perform “Zero point reset” procedure. Refer to SRC-40, "ZERO POINT RESET : Special Repair Requirement".

When replacing the air bag diagnosis sensor unit configuration of the air bag diagnosis sensor unit is required. Refer to SRC-41, "CONFIGURATION : Work Procedure".

ZERO POINT RESET

ZERO POINT RESET : Description

Always perform “Zero point reset” using CONSULT when removing and installing the passenger seat or servicing the occupant classification system, including removing/installing or replacing the OCS control unit and sensors. If zero point reset is not performed the OCS may not operate normally, which may increase the risk of serious injury in a collision. “Zero point reset” is an initializing procedure for occupant detection sensor that must be performed when replacing or removing and installing passenger seat.

If “Zero point reset” is not performed, the initialization is incomplete and Occupant Detection System does not operate normally.

NOTE:
- When “Zero point reset” is performed once after removal and installation of passenger seat, CONSULT displays “complete”.
- When reinstalling passenger seat after removal, the initial value for occupant detection sensor changes, and Occupant Detection System does not operate normally.
- Always perform “Zero point reset” after performing the work as per the following:
  - Reinstallation of passenger seat
  - Installation of passenger seat that is “Zero point reset” complete
  - Installation of passenger seat that is “Zero point reset” in complete

ZERO POINT RESET : Special Repair Requirement

1. PERFORM ZERO POINT RESET

1. Perform “Zero point reset”.

   NOTE:
   When performing “Zero point reset”, be careful of the items described as per the following:
   - Perform “Zero point reset” after installing passenger seat to the vehicle
   - Do not put any objects on passenger seat
   - Do not apply excessive vibration to the vehicle
   - Do not touch the vehicle
   - Do not tilt the vehicle

2. Select start on “Zero point reset function” screen from, “Work support” of CONSULT “OCCUPANT DETECTION”.

3. “Zero point reset” starts.

   >> GO TO 2.

2. CONFIRMATION OF SETTING

1. Proceed to “Zero point reset function” screen from “Work support” of CONSULT “OCCUPANT DETECTION”.

2. Check that “Complete” or “Incomplete” is displayed on “Zero point reset status”.

   CAUTION:
   - “Complete” is displayed on “Zero point reset current status” if the seat is reinstalled by seat removal and installation, or “Zero point reset” is already performed.
   - “Zero point reset current status” displays “Incomplete” if a new seat is installed. When turning key switch ON without performing “Zero point reset”, front passenger air bag OFF indicator turns ON. When “Zero point reset” is performed, front passenger air bag OFF indicator turns OFF.
< BASIC INSPECTION >

- Air bag warning lamp blinks in user mode only.
- Air bag sensor unit does not record whether or not zero point reset is performed.

Is condition “ALREADY PERFORMED”?  

YES >> Print out “ZERO POINT RESET CURRENT STATUS” screen, and inspection end.  
NO >> Check condition as per the following, and perform “Zero point reset” again:
  - Passenger seat is occupied by an object.
  - Excessive vibration is applied while performing “Zero point reset”.
  - Occupant detection system is malfunctioning.

NOTE:  
If “Incomplete” is displayed on “Zero point reset current status”, “Zero point reset” is not completed normally. Check the condition as per the following and perform “Zero point reset” again:
  - Passenger seat is occupied by an object.
  - Excessive vibration is applied while performing “Zero point reset”.
  - Occupant detection system is malfunctioning.

CONFIGURATION

CONFIGURATION : Description

When replacing air bag diagnosis sensor unit, save or print current vehicle specification with CONSULT configuration before replacement.

NOTE:  
If “Before Replace ECU” cannot be used, use the “After Replace ECU” or “Manual Configuration” after replacing air bag diagnosis sensor unit.

CONFIGURATION : Work Procedure

CAUTION:
- When replacing ECU, you must perform “Write Configuration” with CONSULT.
- Complete the procedure of “Write Configuration” in order.
- If you set incorrect “Write Configuration”, incidents might occur.
- Configuration is different for each vehicle model. Confirm configuration of each vehicle model.
- Never perform “Write Configuration” except for new air bag diagnosis sensor unit.
- When replacing BCM, perform the system initialization (NATS).

CONFIGURATION
Vehicle specification needs to be written with CONSULT because it is not written after replacing air bag diagnosis sensor unit.

Configuration has three functions as follows:

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
</table>
| "Before Replace ECU"      | • Reads the vehicle configuration of current air bag diagnosis sensor unit.  
|                           | • Saves the read vehicle configuration.           |
| "After Replace ECU"       | Writes the vehicle configuration with manual selection.  
| "Select Saved Data List"  | Writes the vehicle configuration with saved data.  |

CAUTION:
- When replacing air bag diagnosis sensor unit, you must perform “Select Saved Data List” or "After Replace ECU" with CONSULT.
- Complete the procedure of “Select Saved Data List” or "After Replace ECU" in order.
- If you set incorrect “Select Saved Data List” or "After Replace ECU", incidents might occur.
- Configuration is different for each vehicle model. Confirm configuration of each vehicle model.
- Never perform “Select Saved Data List” or "After Replace ECU" except for new air bag diagnosis sensor unit.

1. SAVING VEHICLE SPECIFICATION

CONSULT
Enter "Re/Programming, Configuration" and perform “Before Replace ECU” to save or print current vehicle specification.

NOTE:  
If “Before Replace ECU” cannot be used, use the "After Replace ECU" or "Manual Configuration" after replacing BCM.

Revision: September 2015  
2016 Rogue NAM
INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

>> GO TO 2.

2. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".

>> GO TO 3.

3. WRITING VEHICLE SPECIFICATION

CONSULT
1. Enter "Re/Programming, Configuration".
2. If "Before Replace ECU" operation was performed, automatically an "Operation Log Selection" screen will be displayed. Select the applicable file from the "Saved Data List" and press "Confirm" to write vehicle specification.
3. If "Before Replace ECU" operation was not performed, select "After Replace ECU" or "Manual Configuration" to write vehicle specification.
   - Select "After Replace ECU" or "Manual Configuration".
   - Identify the correct model and configuration list.
   - Confirm and/or change setting value for each item.

CAUTION:
Thoroughly read and understand the vehicle specification. ECU control may not operate normally if the setting is not correct.
   - Select "Next".

CAUTION:
Make sure to select “Next”, confirm each setting value and press "OK" even if the indicated configuration of brand new air bag diagnosis sensor unit is same as the desirable configuration. If not, configuration which is set automatically by selecting vehicle model cannot be memorized.
   - When "Completed", select "End".

>> GO TO 4.

4. OPERATION CHECK

Confirm that each function controlled by air bag diagnosis sensor unit.

>> Work End.
INTERMITTENT INCIDENT

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 Diagnostic Result [CURRENT]”, but may be viewed on “Self Diagnostic Result [PAST]” if the DTC has not been erased. Refer to SRC-16, “Trouble Diagnosis with CONSULT”.

INFOID:0000000012425001
U1000 CAN COMM CIRCUIT

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

Description

CAN (Controller Area Network) is a serial communication system for real time application. It is an on-vehicle multiplex communication system with high data communication speed and excellent error detection ability. Many electronic control units are equipped into vehicles, and each control unit shares information and links with other control units during operation. With CAN communication, control units are connected with two communication lines (CAN-H line, CAN-L line) allowing a high rate of information transmission with less wiring. Each control unit transmits and receives data but selectively reads required data only. Refer to LAN-36, "CAN COMMUNICATION SYSTEM : CAN Communication Signal Chart".

DTC Logic

DTC DETECTION LOGIC

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>U1000-01</td>
<td>CAN COMM CIRCUIT</td>
<td>---</td>
</tr>
</tbody>
</table>

When air bag diagnosis sensor unit is not transmitting or receiving CAN communication signals for 2 or more seconds.

DTC CONFIRMATION PROCEDURE

1. PERFORM SELF-DIAGNOSIS

1. Turn ignition switch ON and wait for 7 seconds or more.
2. Using CONSULT, perform SELF-DIAGNOSIS RESULTS of AIR BAG.
3. Check if any DTC is displayed in the self-diagnosis results.

Is DTC detected?

YES >> Refer to SRC-44, "Diagnosis Procedure".
NO  >> Refer to GI-45, "Intermittent Incident".

Diagnosis Procedure

1. CHECK CAN COMMUNICATION SYSTEM

Check CAN communication system. Refer to LAN-20, "Trouble Diagnosis Flow Chart".

>> Inspection End.
U1010 CONTROL UNIT (CAN)

Description

Air bag diagnosis sensor performs self-tests on key ON. If CAN communication failure within control unit is detected, DTC is set.

DTC Logic

DTC DETECTION LOGIC

DTC CONFIRMATION PROCEDURE

1. PERFORM SELF-DIAGNOSIS

1. Turn ignition switch ON.
2. Using CONSULT, perform SELF DIAGNOSIS RESULTS of AIR BAG.
3. Check if DTC is displayed in the self-diagnosis results.

Is DTC detected?

YES  >> Refer to SRC-45, "Diagnosis Procedure".

NO   >> Inspection End.

Diagnosis Procedure

1. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".

>> Inspection End.
DTC B0001, B0002 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-5, "Component Parts Location".

DTC Logic

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0001-13</td>
<td>[OPEN]</td>
<td>Driver air bag module circuit (DR1) is open (including the spiral cable).</td>
</tr>
<tr>
<td>B0001-12</td>
<td>[VB-SHORT]</td>
<td>Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).</td>
</tr>
<tr>
<td>B0001-11</td>
<td>[GND-SHORT]</td>
<td>Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).</td>
</tr>
<tr>
<td>B0001-09</td>
<td>[SHORT]</td>
<td>Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).</td>
</tr>
<tr>
<td>B0001-00</td>
<td>[SHORT]</td>
<td>Driver air bag module circuits (DR1) and (DR2) are shorted to each other (including the spiral cable).</td>
</tr>
<tr>
<td>B0001-1A</td>
<td>[SHORT]</td>
<td>Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).</td>
</tr>
<tr>
<td>B0002-13</td>
<td>[OPEN]</td>
<td>Driver air bag module circuit (DR2) is open (including the spiral cable).</td>
</tr>
<tr>
<td>B0002-12</td>
<td>[VB-SHORT]</td>
<td>Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).</td>
</tr>
<tr>
<td>B0002-11</td>
<td>[GND-SHORT]</td>
<td>Driver air bag module circuit (DR2) is shorted to ground (including the spiral cable).</td>
</tr>
<tr>
<td>B0002-09</td>
<td>[SHORT]</td>
<td>Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).</td>
</tr>
<tr>
<td>B0002-00</td>
<td>[SHORT]</td>
<td>Driver air bag module circuits (DR1) and (DR2) are shorted to each other (including the spiral cable).</td>
</tr>
<tr>
<td>B0002-1A</td>
<td>[SHORT]</td>
<td>Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

   1. Turn ignition switch ON.
   2. Check for DTC using CONSULT.

Is the DTC detected?

   YES (Current DTC)>>Refer to SRC-47, "Diagnosis Procedure".
   YES (Past DTC)>>GO TO 2.
   NO    >> Inspection End.

2. ERASE SELF-DIAG RESULT
< DTC/CIRCUIT DIAGNOSIS >

Erase the DTC using CONSULT.

Can the DTC be erased?
- YES >> Inspection End.
- NO >> Refer to SRC-47, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

Is the DTC detected?
- YES >> Refer to SRC-47, "Diagnosis Procedure".
- NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
• Visible damage to connector or terminal
• Loose terminal
• Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
- YES >> GO TO 2.
- NO >> Perform one of the following repairs:
  • Visible damage: Replace the harness.
  • Loose terminal: Secure the terminal.
  • Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
- YES >> GO TO 3.
- NO >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
- YES >> GO TO 4.
- NO >> Replace the harness.

4. CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver air bag module harness connectors and spiral cable harness connector.
3. Check continuity between driver air bag module harness connector and spiral cable connector.
4. Check continuity between driver air bag module harness connector and ground.

<table>
<thead>
<tr>
<th>Connector</th>
<th>Terminal</th>
<th>Spiral cable</th>
<th>Connector</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>M92</td>
<td>29</td>
<td></td>
<td>M53</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>30</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>M93</td>
<td>31</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td></td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

Is the inspection result normal?
YES  >> GO TO 5.
NO   >> Replace the spiral cable. Refer to SR-15, "Removal and Installation".

5. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES  >> GO TO 6.
NO   >> Refer to GI-45, "Intermittent Incident".

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES  >> GO TO 7.
NO   >> Clear DTC. Inspection End.

7. FRONT DRIVER AIR BAG MODULE

1. Replace the driver air bag module. Refer to SR-12, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES  >> GO TO 8.
NO   >> Clear DTC. Inspection End.

8. RELATED HARNESS

Replace the related harness.

>> END
B0010, B0011 PASSENGER AIRBAG MODULE

Description

DTC B0010, B0011 PASSENGER AIRBAG 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-5, "Component Parts Location".

DTC Logic

DTC DETECTION LOGIC
With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0010-13</td>
<td>[OPEN]</td>
<td>Driver air bag module circuit (AS1) is open (including the spiral cable).</td>
</tr>
<tr>
<td>B0010-12</td>
<td>[VB-SHORT]</td>
<td>Driver air bag module circuit (AS1) is shorted to a power supply circuit (including the spiral cable).</td>
</tr>
<tr>
<td>B0010-11</td>
<td>[GND-SHORT]</td>
<td>Driver air bag module circuit (AS1) is shorted to ground (including the spiral cable).</td>
</tr>
<tr>
<td>B0010-09</td>
<td>[SHORT]</td>
<td>Driver air bag module circuits (AS1) are shorted to each other (including the spiral cable).</td>
</tr>
<tr>
<td>B0010-10</td>
<td>[SHORT]</td>
<td>Driver air bag module circuits (AS1) are shorted to each other (including the spiral cable).</td>
</tr>
<tr>
<td>B0011-13</td>
<td>[OPEN]</td>
<td>Driver air bag module circuit (AS2) is open (including the spiral cable).</td>
</tr>
<tr>
<td>B0011-12</td>
<td>[VB-SHORT]</td>
<td>Driver air bag module circuit (AS2) is shorted to a power supply circuit (including the spiral cable).</td>
</tr>
<tr>
<td>B0011-11</td>
<td>[GND-SHORT]</td>
<td>Driver air bag module circuit (AS2) is shorted to ground (including the spiral cable).</td>
</tr>
<tr>
<td>B0011-09</td>
<td>[SHORT]</td>
<td>Driver air bag module circuits (AS2) are shorted to each other (including the spiral cable).</td>
</tr>
<tr>
<td>B0011-10</td>
<td>[SHORT]</td>
<td>Driver air bag module circuits (AS2) are shorted to each other (including the spiral cable).</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)
1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check for DTC using CONSULT.
   Is the DTC detected?
   YES (Current DTC) >> Refer to SRC-50, "Diagnosis Procedure".
   YES (Past DTC) >> GO TO 2.
   NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.
Can the DTC be erased?
YES >> Inspection End.
NO >> Refer to SRC-50, "Diagnosis Procedure".

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DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

Is the DTC detected?
YES >> Refer to SRC-50, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012589573

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
• Visible damage to connector or terminal
• Loose terminal
• Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
YES >> GO TO 2.
NO >> Perform one of the following repairs:
• Visible damage: Replace the harness.
• Loose terminal: Secure the terminal.
• Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 3.
NO >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 5.
NO >> Refer to GI-45, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.FRONT PASSENGER AIR BAG MODULE

1. Replace the front passenger air bag module. Refer to SR-17, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> END
B0020 SIDE AIRBAG MODULE LH

Description

DTC B0020 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-5, "Component Parts Location".

DTC Logic

DTC DETECTION LOGIC
With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0020-13</td>
<td>[OPEN]</td>
<td>Side air bag module circuit (S-LH) is open</td>
</tr>
<tr>
<td>B0020-12</td>
<td>[VB-SHORT]</td>
<td>Side air bag module circuit (S-LH) is shorted to a power supply circuit (including the spiral cable).</td>
</tr>
<tr>
<td>B0020-11</td>
<td>[GND-SHORT]</td>
<td>Side air bag module circuit (S-LH) is shorted to ground (including the spiral cable).</td>
</tr>
<tr>
<td>B0020-09</td>
<td>[SHORT]</td>
<td>Side air bag module circuits (S-LH) are shorted to each other (including the spiral cable).</td>
</tr>
<tr>
<td>B0020-1A</td>
<td>[SHORT]</td>
<td>Side air bag module circuits (S-LH) are shorted to each other (including the spiral cable).</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)
1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check for DTC using CONSULT.
Is the DTC detected?
YES (Current DTC)>>Refer to SRC-53, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2. ERASE SELF-DIAG RESULT
Erase the DTC using CONSULT.
Can the DTC be erased?
YES >> Inspection End.
NO >> Refer to SRC-53, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)
1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

Is the DTC detected?
YES >> Refer to SRC-53, "Diagnosis Procedure".
NO >> Inspection End.

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Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
• Visible damage to connector or terminal
• Loose terminal
• Poor connection

**NOTE:**
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES  >> GO TO 2.

NO  >> Perform one of the following repairs:
• Visible damage: Replace the harness.
• Loose terminal: Secure the terminal.
• Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES  >> GO TO 3.

NO  >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

**NOTE:**
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES  >> GO TO 4.

NO  >> Replace the harness.

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES  >> GO TO 5.

NO  >> Refer to GI-45, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES  >> GO TO 6.

NO  >> Clear DTC. Inspection End.

6. SIDE AIR BAG MODULE LH

1. Replace the side air bag module LH. Refer to SR-21, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES  >> GO TO 7.

NO  >> Clear DTC. Inspection End.
B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

7. RELATED HARNESS

Replace the related harness.

>> END
B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B0021 SIDE CURTAIN AIR BAG MODULE LH

Description

DTC B0021 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-5, "Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0021-13</td>
<td>[OPEN]</td>
<td>Side curtain air bag module circuit (C-LH1) is open</td>
</tr>
<tr>
<td>B0021-12</td>
<td>[VB-SHORT]</td>
<td>Side curtain air bag module circuit (C-LH1) is shorted to a power supply circuit (including the spiral cable).</td>
</tr>
<tr>
<td>B0021-11</td>
<td>[GND-SHORT]</td>
<td>Side curtain air bag module circuit (C-LH1) is shorted to ground (including the spiral cable).</td>
</tr>
<tr>
<td>B0021-09</td>
<td>[SHORT]</td>
<td>Side curtain air bag module circuits (C-LH1) are shorted to each other (including the spiral cable).</td>
</tr>
<tr>
<td>B0021-1A</td>
<td>[SHORT]</td>
<td>Side curtain air bag module circuits (C-LH1) are shorted to each other (including the spiral cable).</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

   1. Turn ignition switch ON.
   2. Check for DTC using CONSULT.

   Is the DTC detected?
   YES (Current DTC)>> Refer to SRC-56, "Diagnosis Procedure".
   YES (Past DTC)>> GO TO 2.
   NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

   Erase the DTC using CONSULT.

   Can the DTC be erased?
   YES >> Inspection End.
   NO >> Refer to SRC-56, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

   1. Turn ignition switch ON.
   2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

   Is the DTC detected?
   YES >> Refer to SRC-56, "Diagnosis Procedure".
   NO >> Inspection End.
B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
• Visible damage to connector or terminal
• Loose terminal
• Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

| YES | >> GO TO 2. |
| NO  | >> Perform one of the following repairs: |
|     | • Visible damage: Replace the harness. |
|     | • Loose terminal: Secure the terminal. |
|     | • Poor connection: Secure the connection. |

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

| YES | >> GO TO 3. |
| NO  | >> Refer to GI-45, "Intermittent Incident". |

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

| YES | >> GO TO 4. |
| NO  | >> Replace the harness. |

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

| YES | >> GO TO 5. |
| NO  | >> Refer to GI-45, "Intermittent Incident". |

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

| YES | >> GO TO 6. |
| NO  | >> Clear DTC. Inspection End. |

6. SIDE CURTAIN AIR BAG MODULE LH

1. Replace the side curtain air bag module LH. Refer to SR-19, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

| YES | >> GO TO 7. |
| NO  | >> Clear DTC. Inspection End. |
Replace the related harness.

>> END
DTC B0028 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-5, "Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0028-13</td>
<td>[OPEN]</td>
<td>Side air bag module circuit (S-RH) is open</td>
</tr>
<tr>
<td>B0028-12</td>
<td>[VB-SHORT]</td>
<td>Side air bag module circuit (S-RH) is shorted to a power supply circuit (including the spiral cable).</td>
</tr>
<tr>
<td>B0028-11</td>
<td>[GND-SHORT]</td>
<td>Side air bag module circuit (S-RH) is shorted to ground (including the spiral cable).</td>
</tr>
<tr>
<td>B0028-09</td>
<td>[SHORT]</td>
<td>Side air bag module circuits (S-RH) are shorted to each other (including the spiral cable).</td>
</tr>
<tr>
<td>B0028-1A</td>
<td>[SHORT]</td>
<td>Side air bag module circuits (S-RH) are shorted to each other (including the spiral cable).</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check for DTC using CONSULT.
   Is the DTC detected?
   YES (Current DTC)>>Refer to SRC-59, "Diagnosis Procedure".
   YES (Past DTC)>>GO TO 2.
   NO >> Inspection End.

2. ERASE SELF-DIAG RESULT
   Erase the DTC using CONSULT.
   Can the DTC be erased?
   YES >> Inspection End.
   NO >> Refer to SRC-59, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".
   NOTE:
   SRS will not enter diagnosis mode if no malfunction is detected in user mode.
   Is the DTC detected?
   YES >> Refer to SRC-59, "Diagnosis Procedure".
   NO >> Inspection End.
B0028 SIDE AIRBAG MODULE RH

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
• Visible damage to connector or terminal
• Loose terminal
• Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
YES >> GO TO 2.
NO >> Perform one of the following repairs:
• Visible damage: Replace the harness.
• Loose terminal: Secure the terminal.
• Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 3.
NO >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 5.
NO >> Refer to GI-45, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. SIDE AIR BAG MODULE RH

1. Replace the side air bag module RH. Refer to SR-21, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 7.
NO >> Clear DTC. Inspection End.
7. RELATED HARNESS

Replace the related harness.

>> END
B0029 SIDE CURTAIN AIR BAG MODULE RH

Description

DTC B0029 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-5, "Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0029-13</td>
<td>[OPEN]</td>
<td>Side air bag module circuit (C-RH1) is open</td>
</tr>
<tr>
<td>B0029-12</td>
<td>[VB-SHORT]</td>
<td>Side air bag module circuit (C-RH1) is shorted to a power supply circuit (including the spiral cable).</td>
</tr>
<tr>
<td>B0029-11</td>
<td>CURTAIN A/B MODULE RH</td>
<td>Side air bag module circuit (C-RH1) is shorted to ground (including the spiral cable).</td>
</tr>
<tr>
<td></td>
<td>[GND-SHORT]</td>
<td>Side air bag module circuits (C-RH1) are shorted to each other (including the spiral cable).</td>
</tr>
<tr>
<td>B0029-09</td>
<td>[SHORT]</td>
<td>Side air bag module circuits (C-RH1) are shorted to each other (including the spiral cable).</td>
</tr>
<tr>
<td>B0029-1A</td>
<td>[SHORT]</td>
<td>Side air bag module circuits (C-RH1) are shorted to each other (including the spiral cable).</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

   1. Turn ignition switch ON.
   2. Check for DTC using CONSULT.

   Is the DTC detected?
   YES (Current DTC)>>Refer to SRC-62, "Diagnosis Procedure".
   YES (Past DTC)>>GO TO 2.
   NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

   Erase the DTC using CONSULT.

   Can the DTC be erased?
   YES >> Inspection End.
   NO >> Refer to SRC-62, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

   1. Turn ignition switch ON.
   2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

   Is the DTC detected?
   YES >> Refer to SRC-62, "Diagnosis Procedure".
   NO >> Inspection End.
1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

**NOTE:**
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
- YES >> GO TO 2.
- NO >> Perform one of the following repairs:
  - Visible damage: Replace the harness.
  - Loose terminal: Secure the terminal.
  - Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
- YES >> GO TO 3.
- NO >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

**NOTE:**
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
- YES >> GO TO 4.
- NO >> Replace the harness.

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
- YES >> GO TO 5.
- NO >> Refer to GI-45, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
- YES >> GO TO 6.
- NO >> Clear DTC. Inspection End.

6. SIDE CURTAIN AIR BAG MODULE RH

1. Replace the side curtain air bag module RH. Refer to SR-19, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
- YES >> GO TO 7.
- NO >> Clear DTC. Inspection End.
7. RELATED HARNESS

Replace the related harness.

>> END
B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

Description

DTC B0091 FRONT SATELLITE SENSOR LH
The front side air bag satellite sensor LH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the front side air bag satellite sensor LH for internal failures and its circuits for communication errors.

PART LOCATION
Refer to SRC-5, "Component Parts Location".

DTC Logic

DTC DETECTION LOGIC
With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0091-93</td>
<td>[RESET]</td>
<td>B-pillar satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0091-81</td>
<td>[COMM ERR]</td>
<td>B-pillar satellite sensor LH communication error</td>
</tr>
<tr>
<td>B0091-88</td>
<td>[OPEN]</td>
<td>B-pillar satellite sensor LH circuit is open</td>
</tr>
<tr>
<td>B0091-86</td>
<td>[UNMATCH]</td>
<td>B-pillar satellite sensor LH out of specification</td>
</tr>
<tr>
<td>B0091-28</td>
<td>[OFFSET ERR]</td>
<td>B-pillar satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0091-25</td>
<td>[SELF-DIAG ERR]</td>
<td>B-pillar satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0091-23</td>
<td>[LOWER LIMIT ERR]</td>
<td>B-pillar satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0091-24</td>
<td>[UPPER LIMIT ERR]</td>
<td>B-pillar satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0091-11</td>
<td>[GND- SHORT]</td>
<td>B-pillar satellite sensor LH circuit is shorted to ground</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check for DTC using CONSULT.
   Is the DTC detected?
   YES (Current DTC)>>Refer to SRC-65, "Diagnosis Procedure".
   YES (Past DTC)>>GO TO 2.
   NO >> Inspection End.

2. ERASE SELF-DIAG RESULT
   Erase the DTC using CONSULT.
   Can the DTC be erased?
   YES >> Inspection End.
   NO >> Refer to SRC-65, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.
B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

Is the DTC detected?

YES  >> Refer to SRC-65, "Diagnosis Procedure".
NO   >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES  >> GO TO 2.
NO   >> Perform one of the following repairs:
  - Visible damage: Replace the harness.
  - Loose terminal: Secure the terminal.
  - Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES  >> GO TO 3.
NO   >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES  >> GO TO 4.
NO   >> Replace the harness.

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES  >> GO TO 5.
NO   >> Refer to GI-45, "Intermittent Incident".

5. FRONT SIDE AIR BAG SATELLITE SENSOR LH

1. Replace the front side air bag satellite sensor LH. Refer to SR-24, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES  >> GO TO 6.
NO   >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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< DTC/CIRCUIT DIAGNOSIS >

Is DTC still current?

YES  >> GO TO 7.
NO   >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END
B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

Description

DTC B0092 REAR SATELLITE SENSOR LH
The rear side air bag satellite sensor LH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the rear side air bag satellite sensor LH for internal failures and its circuits for communication errors.

PART LOCATION
Refer to SRC-5, "Component Parts Location".

DTC Detection Logic

DTC DETECTION LOGIC
With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0092-93</td>
<td>[RESET]</td>
<td>C-pillar satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0092-81</td>
<td>[COMM ERR]</td>
<td>C-pillar satellite sensor LH communication error</td>
</tr>
<tr>
<td>B0092-88</td>
<td>[OPEN]</td>
<td>C-pillar satellite sensor LH circuit is open</td>
</tr>
<tr>
<td>B0092-86</td>
<td>[UNMATCH]</td>
<td>C-pillar satellite sensor LH is out of specification</td>
</tr>
<tr>
<td>B0092-28</td>
<td>[OFFSET ERR]</td>
<td>C-pillar satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0092-25</td>
<td>[SELF-DIAG ERR]</td>
<td>C-pillar satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0092-23</td>
<td>[LOWER LIMIT ERR]</td>
<td>C-pillar satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0092-24</td>
<td>[UPPER LIMIT ERR]</td>
<td>C-pillar satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0092-11</td>
<td>[GND-SHORT]</td>
<td>C-pillar satellite sensor LH circuit is shorted to ground</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check for DTC using CONSULT.
   Is the DTC detected?
   YES (Current DTC)>>Refer to SRC-68, "Diagnosis Procedure".
   YES (Past DTC)>>GO TO 2.
   NO        >> Inspection End.

2. ERASE SELF-DIAG RESULT
   Erase the DTC using CONSULT.
   Can the DTC be erased?
   YES        >> Inspection End.
   NO        >> Refer to SRC-68, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

Revision: September 2015
B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

Is the DTC detected?
YES >> Refer to SRC-68, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
• Visible damage to connector or terminal
• Loose terminal
• Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
YES >> GO TO 2.
NO >> Perform one of the following repairs:
• Visible damage: Replace the harness.
• Loose terminal: Secure the terminal.
• Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 3.
NO >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 5.
NO >> Refer to GI-45, "Intermittent Incident".

5. REAR SIDE AIR BAG SATELLITE SENSOR LH

1. Replace the rear side air bag satellite sensor LH. Refer to SR-24, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
< DTC/CIRCUIT DIAGNOSIS >

Is DTC still current?

YES  >> GO TO 7.
NO    >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END
DTC B0093 FRONT DOOR SATELLITE SENSOR LH
The front door satellite sensor LH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the front door satellite sensor LH for internal failures and its circuits for communication errors.

PART LOCATION
Refer to SRC-5, "Component Parts Location".

DTC Logic

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0093-93</td>
<td>[RESET]</td>
<td>Front door satellite sensor LH malfunctioned.</td>
</tr>
<tr>
<td>B0093-81</td>
<td>[COMM ERR]</td>
<td>Front door satellite sensor LH communication error</td>
</tr>
<tr>
<td>B0093-88</td>
<td>[OPEN]</td>
<td>Front door satellite sensor LH circuit is shorted to ground</td>
</tr>
<tr>
<td>B0093-86</td>
<td>[UNMATCH]</td>
<td>Front door satellite sensor LH is out of specification</td>
</tr>
<tr>
<td>B0093-28</td>
<td>[OFFSET ERR]</td>
<td>Front door satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0093-25</td>
<td>[SELF-DIAG ERR]</td>
<td>Front door satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0093-23</td>
<td>[LOWER LIMIT ERR]</td>
<td>Front door satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0093-24</td>
<td>[UPPER LIMIT ERR]</td>
<td>Front door satellite sensor LH malfunction</td>
</tr>
<tr>
<td>B0093-11</td>
<td>[GND-SHORT]</td>
<td>Front door satellite sensor LH circuit is shorted to ground</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check for DTC using CONSULT.

Is the DTC detected?
   YES (Current DTC)>>Refer to SRC-71, "Diagnosis Procedure".
   YES (Past DTC)>>GO TO 2.
   NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?
   YES >> Inspection End.
   NO >> Refer to SRC-71, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

Is the DTC detected?
   YES >> Refer to SRC-71, "Diagnosis Procedure".
   NO >> Inspection End.
B0093 FRONT DOOR SATELLITE SENSOR LH

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

**NOTE:** All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

**NOTE:** The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-45, "Intermittent Incident".

5. FRONT DOOR SATELLITE SENSOR LH

1. Replace the front door satellite sensor LH. Refer to SR-24, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.
< DTC/CIRCUIT DIAGNOSIS >

7. RELATED HARNESS

Replace the related harness.

>> END
B0094 CRASH ZONE SENSOR

Description

DTC B0094 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-5, "Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0094-93</td>
<td>[RESET]</td>
<td>Crash zone sensor malfunction</td>
</tr>
<tr>
<td>B0094-81</td>
<td>[COMM ERR]</td>
<td>Crash zone sensor communication error</td>
</tr>
<tr>
<td>B0094-88</td>
<td>[OPEN]</td>
<td>Crash zone sensor circuit is open</td>
</tr>
<tr>
<td>B0094-86</td>
<td>[UNMATCH]</td>
<td>Crash zone sensor is out of specification</td>
</tr>
<tr>
<td>B0094-28</td>
<td>[OFFSET ERR]</td>
<td>Crash zone sensor malfunction</td>
</tr>
<tr>
<td>B0094-25</td>
<td>[SELF-DIAG ERR]</td>
<td>Crash zone sensor malfunction</td>
</tr>
<tr>
<td>B0094-23</td>
<td>[LOWER LIMIT ERR]</td>
<td>Crash zone sensor malfunction</td>
</tr>
<tr>
<td>B0094-24</td>
<td>[UPPER LIMIT ERR]</td>
<td>Crash zone sensor malfunction</td>
</tr>
<tr>
<td>B0094-11</td>
<td>[GND-SHORT]</td>
<td>Crash zone sensor circuit is shorted to ground</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-74, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO  >> Inspection End.

2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES  >> Inspection End.
NO    >> Refer to SRC-74, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

Is the DTC detected?
**< DTC/CIRCUIT DIAGNOSIS >**

YES  >> Refer to SRC-74, "Diagnosis Procedure".
NO   >> Inspection End.

**Diagnosis Procedure**

### 1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

**NOTE:**
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES  >> GO TO 2.
NO   >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

### 2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES  >> GO TO 3.
NO   >> Refer to GI-45, "Intermittent Incident".

### 3. WIRING HARNESS

Check the wiring harness for visible damage.

**NOTE:**
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES  >> GO TO 4.
NO   >> Replace the harness.

### 4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES  >> GO TO 5.
NO   >> Refer to GI-45, "Intermittent Incident".

### 5. CRASH ZONE SENSOR

1. Replace the crash zone sensor. Refer to SR-22, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES  >> GO TO 6.
NO   >> Clear DTC. Inspection End.

### 6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END
DTC B0096 FRONT SATELLITE SENSOR RH
The front side air bag satellite sensor RH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the front side air bag satellite sensor RH for internal failures and its circuits for communication errors.

PART LOCATION
Refer to SRC-5, "Component Parts Location".

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0096-93</td>
<td>[RESET]</td>
<td>B-pillar satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0096-81</td>
<td>[COMM ERR]</td>
<td>B-pillar satellite sensor RH communication error</td>
</tr>
<tr>
<td>B0096-88</td>
<td>[OPEN]</td>
<td>B-pillar satellite sensor RH circuit is open</td>
</tr>
<tr>
<td>B0096-86</td>
<td>[UNMATCH]</td>
<td>B-pillar satellite sensor RH is out of specification</td>
</tr>
<tr>
<td>B0096-28</td>
<td>[OFFSET ERR]</td>
<td>B-pillar satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0096-25</td>
<td>[SELF-DIAG ERR]</td>
<td>B-pillar satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0096-23</td>
<td>[LOWER LIMIT ERR]</td>
<td>B-pillar satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0096-24</td>
<td>[UPPER LIMIT ERR]</td>
<td>B-pillar satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0096-11</td>
<td>[GND-SHORT]</td>
<td>B-pillar satellite sensor RH circuit is shorted to ground</td>
</tr>
</tbody>
</table>

B-PILLAR SAT SEN RH

DTC CONFIRMATION PROCEDURE (With CONSULT)
1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check for DTC using CONSULT.

Is the DTC detected?
YES (Current DTC)>>Refer to SRC-77, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?
YES >> Inspection End.
NO >> Refer to SRC-77, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in user mode.
**B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH**

< DTC/CIRCUIT DIAGNOSIS >

Is the DTC detected?

YES >> Refer to SRC-77, "Diagnosis Procedure".

NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

**NOTE:**
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

**NOTE:**
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-45, "Intermittent Incident".

5. FRONT SIDE AIR BAG SATELLITE SENSOR RH

1. Replace the front side air bag satellite sensor RH. Refer to SR-24, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

Is DTC still current?

YES  >> GO TO 7.
NO    >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END
DTC B0097 REAR SATELLITE SENSOR RH
The rear side air bag satellite sensor RH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the rear side air bag satellite sensor RH for internal failures and its circuits for communication errors.

PART LOCATION
Refer to SRC-5, "Component Parts Location".

DTC DETECTION LOGIC

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0097-93</td>
<td>[RESET]</td>
<td>C-pillar satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0097-81</td>
<td>[COMM ERR]</td>
<td>C-pillar satellite sensor RH communication error</td>
</tr>
<tr>
<td>B0097-88</td>
<td>[OPEN]</td>
<td>C-pillar satellite sensor RH circuit is open</td>
</tr>
<tr>
<td>B0097-86</td>
<td>[UNMATCH]</td>
<td>C-pillar satellite sensor RH is out of specification</td>
</tr>
<tr>
<td>B0097-28</td>
<td>[OFFSET ERR]</td>
<td>C-pillar satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0097-25</td>
<td>[SELF-DIAG ERR]</td>
<td>C-pillar satellite sensor RH malfunction</td>
</tr>
<tr>
<td></td>
<td>C-PILLAR SAT SEN RH</td>
<td></td>
</tr>
<tr>
<td>B0097-23</td>
<td>[LOWER LIMIT ERR]</td>
<td>C-pillar satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0097-24</td>
<td>[UPPER LIMIT ERR]</td>
<td>C-pillar satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0097-11</td>
<td>[GND-SHORT]</td>
<td>C-pillar satellite sensor RH circuit is shorted to ground</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)
1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check for DTC using CONSULT.
   Is the DTC detected?
      YES (Current DTC)>>Refer to SRC-80, "Diagnosis Procedure".
      YES (Past DTC)>>GO TO 2.
      NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.
Can the DTC be erased?
   YES >> Inspection End.
   NO >> Refer to SRC-80, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)
1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

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B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

Is the DTC detected?
YES >> Refer to SRC-80, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
• Visible damage to connector or terminal
• Loose terminal
• Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
YES >> GO TO 2.
NO >> Perform one of the following repairs:
• Visible damage: Replace the harness.
• Loose terminal: Secure the terminal.
• Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 3.
NO >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 5.
NO >> Refer to GI-45, "Intermittent Incident".

5. REAR SIDE AIR BAG SATELLITE SENSOR RH

1. Replace the rear side air bag satellite sensor RH. Refer to SR-24, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

Is DTC still current?

YES  >> GO TO 7.
NO   >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END
B0098 FRONT DOOR SATELLITE SENSOR RH

Description

DTC B0098 FRONT DOOR SATELLITE SENSOR RH
The front door satellite sensor RH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the front door satellite sensor RH for internal failures and its circuits for communication errors.

PART LOCATION
Refer to SRC-5, "Component Parts Location".

DTC Logic

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B0098-93</td>
<td>[RESET]</td>
<td>Front door satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0098-81</td>
<td>[COMM ERR]</td>
<td>Front door satellite sensor RH communication error</td>
</tr>
<tr>
<td>B0098-88</td>
<td>[OPEN]</td>
<td>Front door satellite sensor RH circuit is shorted to ground</td>
</tr>
<tr>
<td>B0098-86</td>
<td>[UNMATCH]</td>
<td>Front door satellite sensor RH is out of specification</td>
</tr>
<tr>
<td>B0098-28</td>
<td>[OFFSET ERR]</td>
<td>Front door satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0098-25</td>
<td>[SELF-DIAG ERR]</td>
<td>Front door satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0098-23</td>
<td>[LOWER LIMIT ERR]</td>
<td>Front door satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0098-24</td>
<td>[UPPER LIMIT ERR]</td>
<td>Front door satellite sensor RH malfunction</td>
</tr>
<tr>
<td>B0098-11</td>
<td>[GND-SHORT]</td>
<td>Front door satellite sensor RH circuit is shorted to ground</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

   1. Turn ignition switch ON.
   2. Check for DTC using CONSULT.

   Is the DTC detected?
   YES (Current DTC)>>Refer to SRC-83, "Diagnosis Procedure".
   YES (Past DTC)>>GO TO 2.
   NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

   Erase the DTC using CONSULT.

   Can the DTC be erased?
   YES >> Inspection End.
   NO >> Refer to SRC-83, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

   1. Turn ignition switch ON.
   2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

   Is the DTC detected?
   YES >> Refer to SRC-83, "Diagnosis Procedure".
   NO >> Inspection End.
Diagnosis Procedure

1. **HARNESS CONNECTOR**

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

**NOTE:**
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

- **YES** >> GO TO 2.
- **NO** >> Perform one of the following repairs:
  - Visible damage: Replace the harness.
  - Loose terminal: Secure the terminal.
  - Poor connection: Secure the connection.

2. **CONFIRM DTC**

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

- **YES** >> GO TO 3.
- **NO** >> Refer to GI-45, "Intermittent Incident".

3. **WIRING HARNESS**

Check the wiring harness for visible damage.

**NOTE:**
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

- **YES** >> GO TO 4.
- **NO** >> Replace the harness.

4. **CONFIRM DTC**

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

- **YES** >> GO TO 5.
- **NO** >> Refer to GI-45, "Intermittent Incident".

5. **FRONT DOOR SATELLITE SENSOR RH**

1. Replace the front door satellite sensor RH. Refer to SR-24, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

- **YES** >> GO TO 6.
- **NO** >> Clear DTC. Inspection End.

6. **AIR BAG DIAGNOSIS SENSOR UNIT**

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

- **YES** >> GO TO 7.
- **NO** >> Clear DTC. Inspection End.
< DTC/CIRCUIT DIAGNOSIS >

7. RELATED HARNESS

Replace the related harness.

>> END
B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

Description

DTC B00A0 OCCUPANT CLASSIFICATION SYSTEM (OCS)
The OCS control unit is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the OCS for failures and interruptions in communication between the OCS control unit and the air bag diagnosis sensor unit.

PART LOCATION
Refer to SRC-5, "Component Parts Location".

DTC DETECTION LOGIC

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<tr>
<th>DTC</th>
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<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B00A0–00</td>
<td>OCCUPANT SENS [Occupant Classification System (Subfault)]</td>
<td>[ABNORMAL VOLTAGE] Power supply malfunction of occupant detection sensor</td>
</tr>
<tr>
<td>B00A0–02</td>
<td>[UNIT MALFUNC]</td>
<td>Malfunction of occupant detection sensor</td>
</tr>
<tr>
<td>B00A0–09</td>
<td>[UNIT MALFUNC]</td>
<td>Malfunction of occupant detection sensor</td>
</tr>
<tr>
<td>B00A0–04</td>
<td>[UNIT MALFUNC]</td>
<td>Malfunction of occupant detection sensor control unit</td>
</tr>
<tr>
<td>B00A0–83</td>
<td>[COMM ERR]</td>
<td>• Communication malfunction of occupant detection sensor con-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>trol unit</td>
</tr>
<tr>
<td>B00A0–86</td>
<td>[COMM ERR]</td>
<td>• Communication malfunction of occupant detection sensor con-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>trol unit</td>
</tr>
<tr>
<td>B00A0–87</td>
<td>[COMM ERR]</td>
<td>• Communication malfunction of occupant detection sensor con-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>trol unit</td>
</tr>
<tr>
<td>B00A0–88</td>
<td>[COMM ERR]</td>
<td>• Communication malfunction of occupant detection sensor con-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>trol unit</td>
</tr>
<tr>
<td>B00A0–8F</td>
<td>[UNDEFINED]</td>
<td>Undefined status of occupant detection sensor control unit</td>
</tr>
<tr>
<td>B00A0–93</td>
<td>[RESET]</td>
<td>Reset malfunction of occupant detection sensor control unit</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to:
  • B00A0-00, -02 or -09: SRC-86, "Diagnosis Procedure (B00A0-00, -02 or -09)"
  • B00A0-04: SRC-87, "Diagnosis Procedure (B00A0-04)"
  • B00A0-83, -86, -87, -88 or -8F: SRC-88, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
  • B00A0-93: SRC-89, "Diagnosis Procedure (B00A0-93)"

YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

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B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to:
  • B00A0-00, -02 or -09: SRC-86, "Diagnosis Procedure (B00A0-00, -02 or -09)"
  • B00A0-04: SRC-87, "Diagnosis Procedure (B00A0-04)"
  • B00A0-83, -86, -87, -88 or -8F: SRC-88, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
  • B00A0-93: SRC-89, "Diagnosis Procedure (B00A0-93)"

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

NOTE:
SRS does not enter the diagnosis mode if no malfunction is detected in the user mode.

Is the DTC detected?

YES >> Refer to:
  • B00A0-00, -02 or -09: SRC-86, "Diagnosis Procedure (B00A0-00, -02 or -09)"
  • B00A0-04: SRC-87, "Diagnosis Procedure (B00A0-04)"
  • B00A0-83, -86, -87, -88 or -8F: SRC-88, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
  • B00A0-93: SRC-89, "Diagnosis Procedure (B00A0-93)"

NO >> Inspection End.

Diagnosis Procedure (B00A0-00, -02 or -09)

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
• Visible damage to connector or terminal
• Loose terminal
• Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors)

Is the inspection result normal?

YES >> GO TO 3.
NO >> Perform the following repairs. Then, GO TO 2.
  • Visible damage: Replace the harness.
  • Loose terminal: Secure the terminal.
  • Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 3.
NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

3. REPLACE OCS CONTROL UNIT AND SENSORS

1. Replace the OCS control unit and sensors. Refer to SR-30, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 4.
NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

4. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

3. Check for DTC using CONSULT.
   Is DTC still current?
   YES >> GO TO 5.
   NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

5. RELATED HARNESS

1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
   Is DTC still current?
   YES >> GO TO 6.
   NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

6. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame.
2. Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

>> Inspection End.

Diagnosis Procedure (B00A0-04)

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
• Visible damage to connector or terminal
• Loose terminal
• Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors)

Is the inspection result normal?
   YES >> GO TO 3.
   NO >> Perform the following repairs. Then, GO TO 2.
   • Visible damage: Replace the harness.
   • Loose terminal: Secure the terminal.
   • Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
   Is DTC still current?
   YES >> GO TO 3.
   NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

3. REPLACE OCS CONTROL UNIT

1. Replace the OCS control unit. Refer to SR-30, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
   Is DTC still current?
   YES >> GO TO 4.
   NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

4. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
   Is DTC still current?
B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 5.
NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

5. RELATED HARNESS

1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit)
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
Is DTC still current?
YES >> GO TO 6.
NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

6. REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to SR-30, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
Is DTC still current?
YES >> GO TO 7.
NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

7. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame.
2. Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

>> Inspection End.

Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
• Visible damage to connector or terminal
• Loose terminal
• Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors)
Is the inspection result normal?
YES >> GO TO 3.
NO >> Perform the following repairs. Then, GO TO 2.
• Visible damage: Replace the harness.
• Loose terminal: Secure the terminal.
• Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
Is DTC still current?
YES >> GO TO 3.
NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

3. REPLACE OCS CONTROL UNIT AND SENSORS

1. Replace the OCS control unit and sensors. Refer to SR-30, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
Is DTC still current?
YES >> GO TO 4.
NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

Revision: September 2015  SRC-88  2016 Rogue NAM
1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
   **Is DTC still current?**
   - YES >> GO TO 5.
   - NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

5. RELATED HARNESS
   1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit).
   2. Turn ignition switch ON.
   3. Check for DTC using CONSULT.
   **Is DTC still current?**
   - YES >> GO TO 6.
   - NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

6. REPLACE PASSENGER SEAT CUSHION FRAME
   1. Replace the passenger seat cushion frame.
   2. Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".
   >> Inspection End.

---

**Diagnosis Procedure (B00A0-93)**

1. PERFORM ZERO POINT RESET
   1. Perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".
   2. Turn ignition switch ON.
   3. Check for DTC using CONSULT.
   **Is DTC still current?**
   - YES >> GO TO 2.
   - NO >> Clear DTC. Inspection End.

2. HARNESS CONNECTOR
   Visually inspect all applicable harness connectors for the following:
   - Visible damage to connector or terminal
   - Loose terminal
   - Poor connection
   **NOTE:**
   All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors)
   **Is the inspection result normal?**
   - YES >> GO TO 4.
   - NO >> Perform the following repairs. Then, GO TO 3.
     - Visible damage: Replace the harness.
     - Loose terminal: Secure the terminal.
     - Poor connection: Secure the connection.

3. CONFIRM DTC
   1. Reconnect all harness connectors.
   2. Turn ignition switch ON.
   3. Check for DTC using CONSULT.
   **Is DTC still current?**
   - YES >> GO TO 4.
   - NO >> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

4. REPLACE OCS CONTROL UNIT
1. Replace the OCS control unit. Refer to SR-30, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

**Is DTC still current?**

- **YES** -> GO TO 5.
- **NO** -> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

### 5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

**Is DTC still current?**

- **YES** -> GO TO 6.
- **NO** -> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

### 6. RELATED HARNESS

1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit)
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

**Is DTC still current?**

- **YES** -> GO TO 7.
- **NO** -> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

### 7. REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to SR-30, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

**Is DTC still current?**

- **YES** -> GO TO 8.
- **NO** -> Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

### 8. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame.
2. Clear DTC and perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

>> END
B00D5 PASSENGER AIR BAG OFF INDICATOR

Description

DTC B00D5 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-5, "Component Parts Location".

DTC Logic

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B00D5-04</td>
<td>[UNIT MALFUNC]</td>
<td>Front passenger air bag OFF indicator circuit malfunction</td>
</tr>
<tr>
<td>B00D5-15</td>
<td>[PWR-SHORT/OPEN]</td>
<td>Front passenger air bag OFF indicator circuit is open or shorted to power supply circuit</td>
</tr>
<tr>
<td>B00D5-13</td>
<td>[OPEN]</td>
<td>Front passenger air bag OFF indicator circuit is open</td>
</tr>
<tr>
<td>B00D5-12</td>
<td>[VB-SHORT]</td>
<td>Front passenger air bag OFF indicator circuit is shorted to power supply circuit</td>
</tr>
<tr>
<td>B00D5-11</td>
<td>[GND-SHORT]</td>
<td>Front passenger air bag OFF indicator circuit is shorted to ground</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-91, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-91, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-91, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

Revision: September 2015
B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

• Visible damage to connector or terminal
• Loose terminal
• Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
YES >> GO TO 2.
NO >> Perform one of the following repairs:
  • Visible damage: Replace the harness.
  • Loose terminal: Secure the terminal.
  • Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 3.
NO >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 5.
NO >> Refer to GI-45, "Intermittent Incident".

5. PASSENGER AIR BAG OFF INDICATOR

1. Replace the passenger air bag off indicator.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END
DTC B1428 SEAT BELT BUCKLE SWITCH LH
The air bag diagnosis sensor unit monitors the seat belt buckle switch LH status. If the control unit detects an open or short condition in the circuit, it will set the DTC.

PART LOCATION
Refer to SRC-5, "Component Parts Location".

DTC Logic

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1428-12</td>
<td>[VB-SHORT]</td>
<td>Seat belt buckle switch LH circuit is shorted to a power supply circuit.</td>
</tr>
<tr>
<td>B1428-11</td>
<td>[GND-SHORT]</td>
<td>Seat belt buckle switch LH circuit is shorted to ground.</td>
</tr>
<tr>
<td>B1428-00</td>
<td>[UNDEFINED]</td>
<td>Seat belt buckle switch LH circuit is malfunctioning.</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)
1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check for DTC using CONSULT.
   Is the DTC detected?
      YES (Current DTC)>>Refer to SRC-93, "Diagnosis Procedure".
      YES (Past DTC)>>GO TO 2.
      NO   >> Inspection End.
2. ERASE SELF-DIAG RESULT
   Erase the DTC using CONSULT.
   Can the DTC be erased?
      YES   >> Inspection End.
      NO    >> Refer to SRC-93, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)
1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

   NOTE:
   SRS will not enter diagnosis mode if no malfunction is detected in user mode.
   Is the DTC detected?
      YES   >> Refer to SRC-93, "Diagnosis Procedure".
      NO    >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR
   Visually inspect all applicable harness connectors for the following:
   • Visible damage to connector or terminal
   • Loose terminal
B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS >

• Poor connection

  NOTE:
  All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
  • Visible damage: Replace the harness.
  • Loose terminal: Secure the terminal.
  • Poor connection: Secure the connection.

2. CONFIRM DTC

  1. Reconnect all harness connectors.
  2. Turn ignition switch ON.
  3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 3
NO >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

  Check the wiring harness for visible damage.

  NOTE:
  The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

  1. Reconnect all harness connectors.
  2. Turn ignition switch ON.
  3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-45, "Intermittent Incident".

5. SEAT BELT BUCKLE SWITCH LH

  1. Replace the seat belt buckle switch LH. Refer to SR-29, "Removal and Installation".
  2. Turn ignition switch ON.
  3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

  1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
  2. Turn ignition switch ON.
  3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END
B1429 SEAT BELT BUCKLE SWITCH RH

<B1429 SEAT BELT BUCKLE SWITCH RH>

Description

DTC B1429 SEAT BELT BUCKLE SWITCH RH
The air bag diagnosis sensor unit monitors the seat belt buckle switch RH status. If the control unit detects an open or short condition in the circuit, it will set the DTC.

PART LOCATION
Refer to SRC-5, "Component Parts Location".

DTC Logic

DTC DETECTION LOGIC

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1429–12</td>
<td>SEAT BELT BUCKLE SWITCH RH CIRCUIT</td>
<td>[VB-SHORT] Seat belt buckle switch RH circuit is shorted to a power supply circuit.</td>
</tr>
<tr>
<td>B1429–11</td>
<td>SEAT BELT BUCKLE SWITCH RH CIRCUIT</td>
<td>[GND-SHORT] Seat belt buckle switch RH circuit is shorted to ground.</td>
</tr>
<tr>
<td>B1429–00</td>
<td>SEAT BELT BUCKLE SWITCH RH CIRCUIT</td>
<td>[UNDEFINED] Seat belt buckle switch RH circuit is malfunctioning.</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-95, "Diagnosis Procedure".
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-95, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-95, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
• Visible damage to connector or terminal
• Loose terminal
• Poor connection
NOTE:
All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES  >> GO TO 2.
NO   >> Perform one of the following repairs:
   • Visible damage: Replace the harness.
   • Loose terminal: Secure the terminal.
   • Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES  >> GO TO 3
NO   >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES  >> GO TO 4.
NO   >> Replace the harness.

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES  >> GO TO 5.
NO   >> Refer to GI-45, "Intermittent Incident".

5. SEAT BELT BUCKLE SWITCH RH

Replace the seat belt buckle switch RH. Refer to SR-29, "Removal and Installation".

>> GO TO 6

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES  >> GO TO 7.
NO   >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END
B1430 SEAT BELT PRE-TENSIONER

Description

DTC B1430 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-5, "Component Parts Location".

DTC Logic

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1430-13</td>
<td>[OPEN]</td>
<td>LH seat belt pre-tensioner circuit is open (shoulder belt)</td>
</tr>
<tr>
<td>B1430-12</td>
<td>[VB-SHORT]</td>
<td>LH seat belt pre-tensioner circuit is shorted to a power supply circuit (shoulder belt)</td>
</tr>
<tr>
<td>B1430-11</td>
<td>[GND-SHORT]</td>
<td>LH seat belt pre-tensioner circuit is shorted to ground (shoulder belt)</td>
</tr>
<tr>
<td>B1430-09</td>
<td>[SHORT]</td>
<td>LH seat belt pre-tensioner circuits are shorted to each other (shoulder belt)</td>
</tr>
<tr>
<td>B1430-1A</td>
<td>[SHORT]</td>
<td>LH seat belt pre-tensioner circuits are shorted to each other (shoulder belt)</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check for DTC using CONSULT.

Is the DTC detected?
   YES (Current DTC)>>Refer to SRC-97, "Diagnosis Procedure".
   YES (Past DTC)>>GO TO 2.
   NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?
   YES >> Inspection End.
   NO >> Refer to SRC-97, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

Is the DTC detected?
   YES >> Refer to SRC-97, "Diagnosis Procedure".
   NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR

Revision: September 2015
B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

Visually inspect all applicable harness connectors for the following:

• Visible damage to connector or terminal
• Loose terminal
• Poor connection

**NOTE:**

All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
• Visible damage: Replace the harness.
• Loose terminal: Secure the terminal.
• Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

**NOTE:**
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace the harness.

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-45, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. SEAT BELT PRE-TENSIONER LH

1. Replace the seat belt pre-tensioner LH. Refer to SR-28, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.
B1431 SEAT BELT PRE-TENSIONER

B1431 SEAT BELT PRE-TENSIONER

Description

DTC B1431 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-5, "Component Parts Location".

DTC Logic

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1431-13</td>
<td>[OPEN]</td>
<td>RH seat belt pre-tensioner circuit is open (shoulder belt)</td>
</tr>
<tr>
<td>B1431-12</td>
<td>[VB-SHORT]</td>
<td>RH seat belt pre-tensioner circuit is shorted to power supply circuit (shoulder belt)</td>
</tr>
<tr>
<td>B1431-11</td>
<td>[GND-SHORT]</td>
<td>RH seat belt pre-tensioner circuit is shorted to ground (shoulder belt)</td>
</tr>
<tr>
<td>B1431-09</td>
<td>[SHORT]</td>
<td>RH seat belt pre-tensioner circuits are shorted to each other (shoulder belt)</td>
</tr>
<tr>
<td>B1431-1A</td>
<td>[SHORT]</td>
<td>RH seat belt pre-tensioner circuits are shorted to each other (shoulder belt)</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check for DTC using CONSULT.
   
   Is the DTC detected?
   
   YES (Current DTC)>>Refer to SRC-100, "Diagnosis Procedure".
   YES (Past DTC)>>GO TO 2.
   NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

   Erase the DTC using CONSULT.
   
   Can the DTC be erased?
   
   YES >> Inspection End.
   NO >> Refer to SRC-100, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check the air bag warning lamp status. Refer to SRC-16, "Trouble Diagnosis with CONSULT".

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

Is the DTC detected?

YES >> Refer to SRC-100, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR
< DTC/CIRCUIT DIAGNOSIS >

Visually inspect all applicable harness connectors for the following:
• Visible damage to connector or terminal
• Loose terminal
• Poor connection

**NOTE:**
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

**Is the inspection result normal?**
- YES >> GO TO 2.
- NO >> Perform one of the following repairs:
  • Visible damage: Replace the harness.
  • Loose terminal: Secure the terminal.
  • Poor connection: Secure the connection.

2. **CONFIRM DTC**

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

**Is DTC still current?**
- YES >> GO TO 3.
- NO >> Refer to GI-45, "Intermittent Incident".

3. **WIRING HARNESS**

Check the wiring harness for visible damage.

**NOTE:**
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

**Is the inspection result normal?**
- YES >> GO TO 4.
- NO >> Replace the harness.

4. **CONFIRM DTC**

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

**Is DTC still current?**
- YES >> GO TO 5.
- NO >> Refer to GI-45, "Intermittent Incident".

5. **AIR BAG DIAGNOSIS SENSOR UNIT**

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

**Is DTC still current?**
- YES >> GO TO 6.
- NO >> Clear DTC. Inspection End.

6. **SEAT BELT PRE-TENSIONER RH**

1. Replace the seat belt pre-tensioner RH. Refer to SR-28, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

**Is DTC still current?**
- YES >> GO TO 7.
- NO >> Clear DTC. Inspection End.

7. **RELATED HARNESS**

Replace the related harness.
B1432 LAP PRE-TENSIONER

Description

DTC B1432 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-5, "Component Parts Location".

DTC Logic

With CONSULT

DTC CONFIRMATION PROCEDURE (With CONSULT)
1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check for DTC using CONSULT.
   Is the DTC detected?
   YES (Current DTC)>>Refer to SRC-103, "Diagnosis Procedure".
   YES (Past DTC)>>GO TO 2.
   NO >> Inspection End.
2. ERASE SELF-DIAG RESULT
   Erase the DTC using CONSULT.
   Can the DTC be erased?
   YES >> Inspection End.
   NO >> Refer to SRC-103, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)
1. CHECK SELF-DIAG RESULT
   1. Turn ignition switch ON.
   2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

   Is the DTC detected?
   YES >> Refer to SRC-103, "Diagnosis Procedure".
   NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR
   Visually inspect all applicable harness connectors for the following:
   • Visible damage to connector or terminal
   • Loose terminal

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< DTC/CIRCUIT DIAGNOSIS >

- Poor connection

  NOTE:
  All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

  Is the inspection result normal?
  YES >> GO TO 2.
  NO >> Perform one of the following repairs:
    - Visible damage: Replace the harness.
    - Loose terminal: Secure the terminal.
    - Poor connection: Secure the connection.

  2. CONFIRM DTC

  1. Reconnect all harness connectors.
  2. Turn ignition switch ON.
  3. Check for DTC using CONSULT.

  Is DTC still current?
  YES >> GO TO 3.
  NO >> Refer to GI-45, "Intermittent Incident".

  3. WIRING HARNESS

  Check the wiring harness for visible damage.

  NOTE:
  The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

  Is the inspection result normal?
  YES >> GO TO 4.
  NO >> Replace the harness.

  4. CONFIRM DTC

  1. Reconnect all harness connectors.
  2. Turn ignition switch ON.
  3. Check for DTC using CONSULT.

  Is DTC still current?
  YES >> GO TO 5.
  NO >> Refer to GI-45, "Intermittent Incident".

  5. AIR BAG DIAGNOSIS SENSOR UNIT

  1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
  2. Turn ignition switch ON.
  3. Check for DTC using CONSULT.

  Is DTC still current?
  YES >> GO TO 6.
  NO >> Clear DTC. Inspection End.

  6. LAP PRE-TENSIONER LH

  1. Replace the lap pre-tensioner LH. Refer to SR-28, "Removal and Installation".
  2. Turn ignition switch ON.
  3. Check for DTC using CONSULT.

  Is DTC still current?
  YES >> GO TO 7.
  NO >> Clear DTC. Inspection End.

  7. RELATED HARNESS

  Replace the related harness.

  >> END
B1433 LAP PRE-TENSIONER

Description

DTC B1433 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-5, "Component Parts Location".

DTC Logic

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1433-13</td>
<td>[OPEN]</td>
<td>Lap pre-tensioner RH circuit is open</td>
</tr>
<tr>
<td>B1433-12</td>
<td>[VB-SHORT]</td>
<td>Lap pre-tensioner RH circuit is shorted to power supply circuit</td>
</tr>
<tr>
<td>B1433-11</td>
<td>[GND-SHORT]</td>
<td>Lap pre-tensioner RH circuit is shorted to ground</td>
</tr>
<tr>
<td>B1433-09</td>
<td>[SHORT]</td>
<td>Lap pre-tensioner RH circuits are shorted to each other</td>
</tr>
<tr>
<td>B1433-1A</td>
<td>[SHORT]</td>
<td>Lap pre-tensioner RH circuits are shorted to each other</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check for DTC using CONSULT.

Is the DTC detected?
YES (Current DTC)>>Refer to SRC-105, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.
Can the DTC be erased?
YES >> Inspection End.
NO >> Refer to SRC-105, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

Is the DTC detected?
YES >> Refer to SRC-105, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
• Visible damage to connector or terminal
• Loose terminal

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< DTC/CIRCUIT DIAGNOSIS >

• Poor connection

**NOTE:**
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
YES  >> GO TO 2.
NO    >> Perform one of the following repairs:
  • Visible damage: Replace the harness.
  • Loose terminal: Secure the terminal.
  • Poor connection: Secure the connection.

2. CONFIRM DTC
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES  >> GO TO 3.
NO    >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

**NOTE:**
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
YES  >> GO TO 4.
NO    >> Replace the harness.

4. CONFIRM DTC
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES  >> GO TO 5.
NO    >> Refer to GI-45, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES  >> GO TO 6.
NO    >> Clear DTC. Inspection End.

6. LAP PRE-TENSIONER RH

1. Replace the lap pre-tensioner RH. Refer to SR-28, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
YES  >> GO TO 7.
NO    >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END
B142A IGNITION VOLTAGE

Description

DTC B142A IGNITION VOLTAGE
Ignition voltage is supplied to the air bag diagnosis sensor unit when the ignition is in the ON position. The air bag diagnosis sensor unit will monitor for low or high ignition voltage.

PART LOCATION
Refer to SRC-5, "Component Parts Location".

DTC Logic

DTC DETECTION LOGIC
With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B142A-16</td>
<td>IGN VOLTAGE [VB-LOW]</td>
<td>Ignition voltage low at air bag diagnosis sensor unit.</td>
</tr>
<tr>
<td>B142A-17</td>
<td>[VB-HIGH]</td>
<td>Ignition voltage high at air bag diagnosis sensor unit.</td>
</tr>
</tbody>
</table>

DTC CONFIRMATION PROCEDURE (With CONSULT)
1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check for DTC using CONSULT.

Is the DTC detected?
- YES (Current DTC)>>Refer to SRC-107, "Diagnosis Procedure".
- YES (Past DTC)>>GO TO 2.
- NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?
- YES >> Inspection End.
- NO >> Refer to SRC-107, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)
1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

Is the DTC detected?
- YES >> Refer to SRC-107, "Diagnosis Procedure".
- NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
<DTC/CIRCUIT DIAGNOSIS>

All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors).

Is the inspection result normal?
- **YES** >> GO TO 2.
- **NO** >> Perform one of the following repairs:
  - Visible damage: Replace the harness.
  - Loose terminal: Secure the terminal.
  - Poor connection: Secure the connection.

2. **CONFIRM DTC**

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
- **YES** >> GO TO 3
- **NO** >> Refer to GI-45, "Intermittent Incident".

3. **WIRING HARNESS**

Check the wiring harness for visible damage.

**NOTE:**
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
- **YES** >> GO TO 4.
- **NO** >> Replace the harness.

4. **CONFIRM DTC**

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
- **YES** >> GO TO 5.
- **NO** >> Refer to GI-45, "Intermittent Incident".

5. **AIR BAG DIAGNOSIS SENSOR UNIT**

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?
- **YES** >> GO TO 6.
- **NO** >> Clear DTC. Inspection End.

6. **RELATED HARNESS**

Replace the related harness.

>> END
DTC B142X COLLISION DETECTION
The air bag diagnosis sensor unit will set this DTC if it has detected a collision which has resulted in a 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-5, "Component Parts Location".

DTC Logic

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1421-00</td>
<td>FRONTAL COLLISION</td>
<td>Frontal collision detected. Driver and/or front passenger air bag modules are deployed.</td>
</tr>
<tr>
<td>B1422-00</td>
<td>SIDE COLLISION</td>
<td>Side collision detected. Curtain air bag module and seat belt pre-tensioner are deployed.</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-109, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

Refer to SR-5, "FOR FRONTAL COLLISION : When SRS is activated in a collision" or SR-7, "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision".
**B14XX AIR BAG DIAGNOSIS SENSOR UNIT**

**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-16, "CONSULT Function (AIR BAG)".

**DTC Logic**

With CONSULT

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B14XX</td>
<td>CONTROL UNIT [UNIT FAIL]</td>
<td>Air bag diagnosis sensor unit is malfunctioning.</td>
</tr>
<tr>
<td>AIRBAG DISPOSAL COMPLETION</td>
<td>[—]</td>
<td></td>
</tr>
</tbody>
</table>

**DTC CONFIRMATION PROCEDURE (With CONSULT)**

1. **CHECK SELF-DIAG RESULT**

   1. Turn ignition switch ON.
   2. Check for DTC using CONSULT.

   Is the DTC detected?
   
   YES (Current DTC)>>Refer to SRC-110, "Diagnosis Procedure".
   YES (Past DTC)>>GO TO 2.
   NO >> Inspection End.

2. **ERASE SELF-DIAG RESULT**

   Erase the DTC using CONSULT.

   Can the DTC be erased?
   
   YES >> Inspection End.
   NO >> Refer to SRC-110, "Diagnosis Procedure".

**DTC CONFIRMATION PROCEDURE (Without CONSULT)**

1. **CHECK SELF-DIAG RESULT**

   1. Turn ignition switch ON.
   2. Check the air bag warning lamp status. Refer to SRC-14, "On Board Diagnosis Function".

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

   Is the DTC detected?
   
   YES >> Refer to SRC-110, "Diagnosis Procedure".
   NO >> Inspection End.

**Diagnosis Procedure**

1. **HARNES CONNECTOR**

   Visually inspect all applicable harness connectors for the following:
   • Visible damage to connector or terminal
   • Loose terminal
   • Poor connection

   **NOTE:**
   All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

   Is the inspection result normal?
YES >> GO TO 2.
NO >> Perform one of the following repairs:
• Visible damage: Replace the harness.
• Loose terminal: Secure the terminal.
• Poor connection: Secure the connection.

2. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
   Is DTC still current?
   YES >> GO TO 3.
   NO >> Refer to GI-45, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?
   YES >> GO TO 4.
   NO >> Replace the harness.

4. CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
   Is DTC still current?
   YES >> GO TO 5.
   NO >> Refer to GI-45, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.
   Is DTC still current?
   YES >> GO TO 6.
   NO >> Clear DTC. Inspection End.

6. RELATED HARNESS

Replace the related harness.

>> END
B1427 CONFIG SETTING

DTC Description

DTC DETECTION LOGIC

<table>
<thead>
<tr>
<th>DTC</th>
<th>CONSULT screen items (Trouble diagnosis content)</th>
<th>DTC detecting condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1427-55</td>
<td>ECU SETTING (Configuration setting)</td>
<td>[NOT CONFIGURED]</td>
</tr>
</tbody>
</table>

POSSIBLE CAUSE
When air bag diagnosis sensor unit is replaced.

FAIL-SAFE

Diagnosis Procedure

1. PERFORM CONFIGURATION

Perform configuration for air bag diagnosis sensor unit.

>> Refer to SRC-41, "CONFIGURATION : Work Procedure".
< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS
SRS AIR BAG WARNING LAMP DOES NOT TURN ON

AIR BAG Warning Lamp Does Not Turn On

1. CHECK METER FUSE

Check the 10A fuse [No. 13, 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. 13, located in the fuse block (J/B)] and turn ignition switch ON.

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

3. CHECK HARNESS CONNECTIONS BETWEEN AIR BAG DIAGNOSIS SENSOR UNIT AND COMBINATION 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?
YES  >> Replace harness.
NO   >> GO TO 4.

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?
YES  >> Replace the air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
NO   >> Replace the combination meter. Refer to MWI-84, "Removal and Installation".
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 Frontal collision: SR-5, "FOR FRONTAL COLLISION : When SRS is activated in a collision", SR-6, "FOR FRONTAL COLLISION : When SRS is not activated in a collision" or Side and rollover collision: SR-7, "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision", SR-9, "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision".

NO >> GO TO 2.

2. CHECK THE AIR BAG FUSE

Check 10A fuse [No. 32, 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. 32, located in the fuse block (J/B)] and turn ignition switch ON.
Does the fuse blow again?

YES >> Replace fuse and 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-26, "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-26, "Removal and Installation".
< SYMPTOM DIAGNOSIS >

SEAT BELT WARNING SYSTEM

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. 13, located in the fuse block (J/B)].
    • Check seat belt buckle switch (driver seat).
    • Check harness between combination meter and seat belt buckle switch (driver seat).
    • Check combination meter. Refer to MWI-30, "Fail-safe".

2. SEAT BELT BUCKLE (DRIVER SEAT)

Fasten the seat belt buckle (driver seat).

Does the seat belt warning lamp go OFF?

YES >> GO TO 3.

NO >> • Check seat belt buckle switch (driver seat).
    • Check harness between combination meter and seat belt buckle switch (driver seat).

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-11, "OCCUPANT CLASSIFICATION SYSTEM: System Description".
    • Check harness between occupant classification control unit and air bag diagnosis sensor unit.

4. SEAT BELT BUCKLE (PASSENGER SEAT)

Fasten the seat belt buckle (passenger seat).

Does the seat belt warning lamp go OFF?

YES >> System OK.

NO >> • Check seat belt buckle switch (passenger seat).
    • Check harness between seat belt buckle switch (passenger seat) and air bag diagnosis sensor unit.
    • Replace air bag diagnosis sensor unit. Refer to SR-26, "Removal and Installation".
A/B WARNING LAMP IS OFF, PASS A/B INDCTR LAMP TURNS ON INTERMIT

Description

SRS air bag warning lamp is OFF, passenger air bag indicator lamp turns ON intermittently with a person of adult stature seated normally in the passenger seat.

Diagnosis Procedure

1. REPLACE OCS SENSORS
   1. Replace the OCS sensors. Refer to SR-30, "Removal and Installation".
   2. Perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

Is symptom still present?

   YES  >> GO TO 2.
   NO    >> Inspection End.

2. REPLACE PASSENGER SEAT CUSHION FRAME
   1. Replace the passenger seat cushion frame. Refer to SE-59, "Seat Cushion".
   2. Perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

   >> Inspection End.
Description

Vehicle conditions:
• Seat belt indicator lamp is ON, passenger air bag indicator lamp is ON or OFF
• Passenger seat is unoccupied
• Driver seat belt is buckled
• Passenger seat belt buckle harness and seat belt buckle switch are OK (buckle passenger seat belt to check if seat belt indicator lamp turns OFF, driver seat belt needs to be buckled)

Diagnosis Procedure

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1. Replace the OCS sensors. Refer to SR-30, "Removal and Installation".
2. Perform zero point reset. Refer to SRC-40, "ZERO POINT RESET : Description".

Is symptom still present?

YES  >> GO TO 2.
NO    >> Inspection End.

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1. Replace the passenger seat cushion frame. Refer to SE-59, "Seat Cushion".
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>> Inspection End.