

# SECTION **SRC**

## SRS AIRBAG CONTROL SYSTEM

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# PRECAUTIONS

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## PRECAUTION

### PRECAUTIONS

#### Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000011537914

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

INFOID:000000011537915

- Never use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn power switch OFF, disconnect battery negative terminal and wait 3 minutes or more.  
For approximately 3 minutes after the cables are removed, it is still possible for the air bag and seat belt pretensioner to deploy. Therefore, never work on any SRS connectors or wires until at least 3 minutes have passed.
- 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 with the neutral position since its rotations are limited. Never turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper function after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.
- Never solder the harness when making repairs. Check that harness is not pinched and that there is no contact with other components.
- Never allow harness to come in contact with oil, grease, waste oil, or water.
- Never insert foreign materials, such as a screwdriver, into the harness connector. (This is to prevent accidental activation caused by static electricity.)
- Always use CONSULT or SRS air bag warning lamp to perform the circuit diagnosis. (Never use an electric tester such as a circuit tester.)

# COMPONENT PARTS

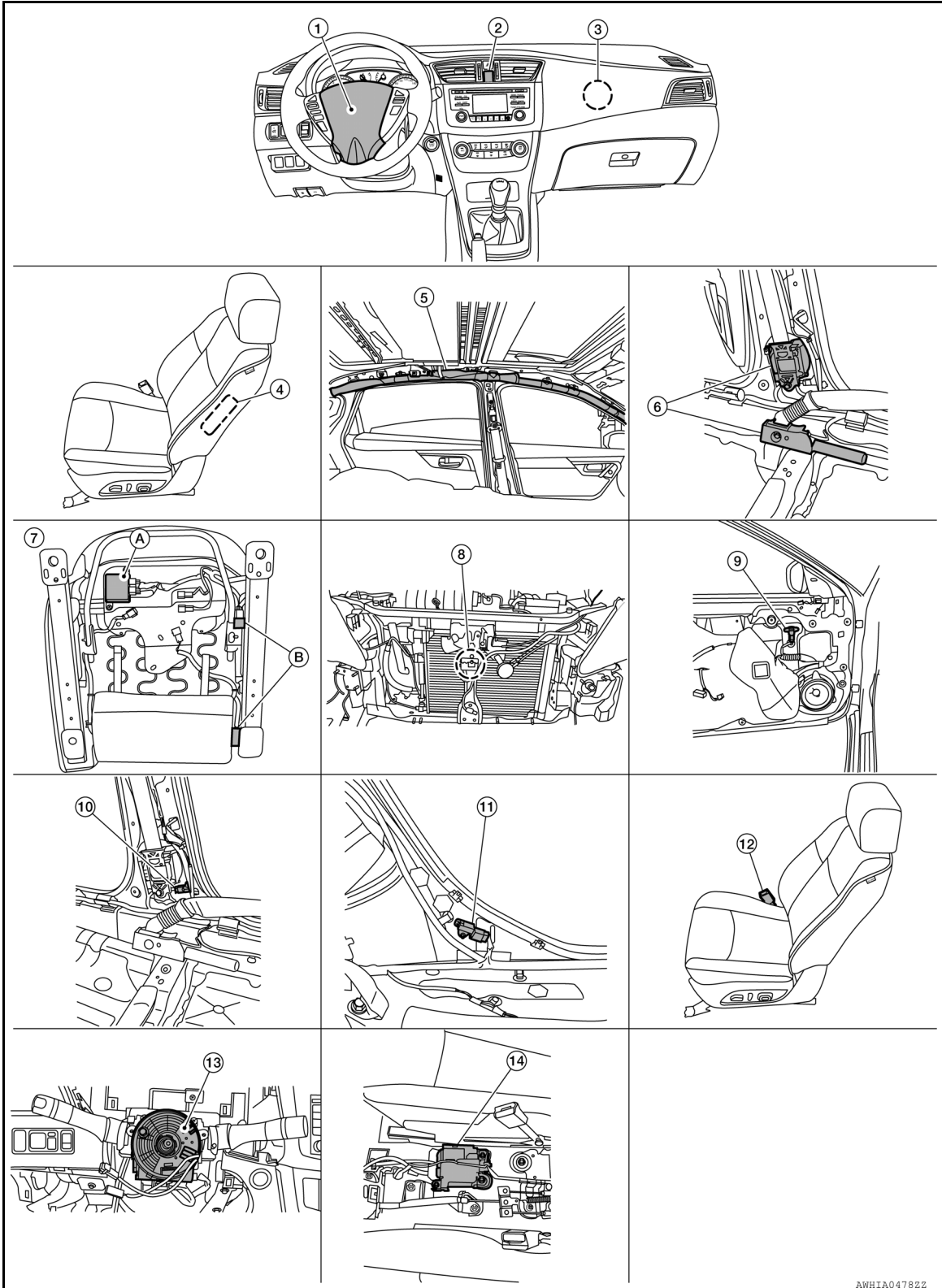
< SYSTEM DESCRIPTION >

## SYSTEM DESCRIPTION

### COMPONENT PARTS

#### Component Parts Location

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# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

- |  |  |   |
|--|--|---|
| 1. Driver air bag module   | 2. Front passenger air bag off indicator   | 3. Front passenger air bag module   |
| 4. Front LH side air bag module<br>(RH similar)  | 5. LH side curtain air bag module<br>(view with headliner removed)<br>(RH similar)                           | 6. Front LH seat belt pre-tensioner<br>(view with lower center pillar cover LH removed)<br>(RH similar) |
| 7. Occupant classification system control unit (A)<br>Occupant classification system sensors (B)<br>(view with front passenger seat removed) | 8. Crash zone sensor<br>(view with air intake removed)   | 9. Front door satellite sensor LH<br>(view with front door finisher LH removed)<br>(RH similar)         |
| 10. Front side air bag satellite sensor LH<br>(view with lower center pillar cover LH removed)<br>(RH similar)                               | 11. Rear side air bag satellite sensor LH<br>(view with dash side lower finisher LH removed)<br>(RH similar) | 12. Seat belt buckle switch (driver seat)<br>(passenger seat similar)                                   |
| 13. Spiral cable<br>(view with steering wheel removed)   | 14. Air bag diagnosis sensor unit<br>(view with center console assembly removed)                             |   |

## Component Description

INFOID:0000000011537917

Component	Function
Air bag diagnosis sensor unit	Refer to <a href="#">SRC-8, "Air Bag Diagnosis Sensor Unit"</a> .
Driver air bag module	Refer to <a href="#">SRC-7, "Driver Air Bag Module"</a> .
Front passenger air bag module	Refer to <a href="#">SRC-7, "Front Passenger Air Bag Module"</a> .
Front side air bag module	Refer to <a href="#">SRC-7, "Front Side Air Bag Module"</a> .
Side curtain air bag module	Refer to <a href="#">SRC-7, "Side Curtain Air Bag Module"</a> .
Front seat belt pre-tensioner	Refer to <a href="#">SRC-8, "Front Seat Belt Pre-tensioner"</a> .
Occupant classification system	Refer to <a href="#">SRC-12, "OCCUPANT CLASSIFICATION SYSTEM : System Description"</a> .
Crash zone sensor	Refer to <a href="#">SRC-8, "Crash Zone Sensor"</a> .
Front side air bag satellite sensor	Refer to <a href="#">SRC-8, "Front Side Air Bag Satellite Sensor"</a> .
Rear side air bag satellite sensor	Refer to <a href="#">SRC-9, "Rear Side Air Bag Satellite Sensor"</a> .
Front door satellite sensor	Refer to <a href="#">SRC-9, "Front Door Satellite Sensor"</a> .
Seat belt buckle switch	The driver seat belt buckle switch and passenger seat belt buckle switch provide the seat belt buckle signals to the air bag diagnosis sensor unit and the combination meter.
Spiral cable	The spiral cable provides a rotating physical connection to the driver air bag module.
Combination meter	The combination meter displays the air bag warning lamp and the seat belt warning lamp. The air bag warning lamp is used for diagnosis in User Mode and may be used to display diagnostic trouble codes without the use of the CONSULT.

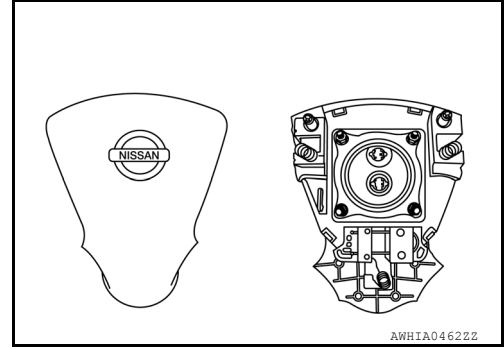
# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

### Driver Air Bag Module

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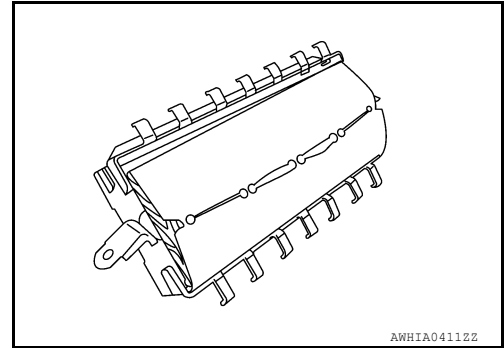
The driver air bag module is dual stage and located in the steering wheel assembly. It operates with the SRS system in a frontal collision exceeding a specified level.



### Front Passenger Air Bag Module

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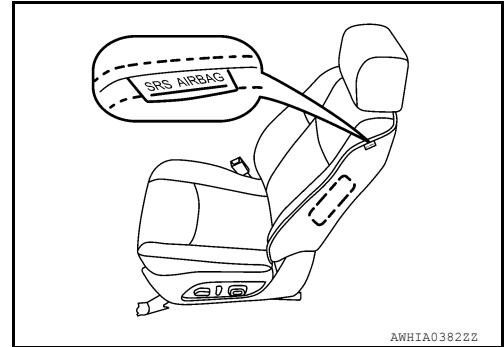
The front passenger air bag module is dual stage and is located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to [SRC-11, "SRS AIR BAG SYSTEM : System Description"](#) for more information.



### Front Side Air Bag Module

INFOID:0000000011537920

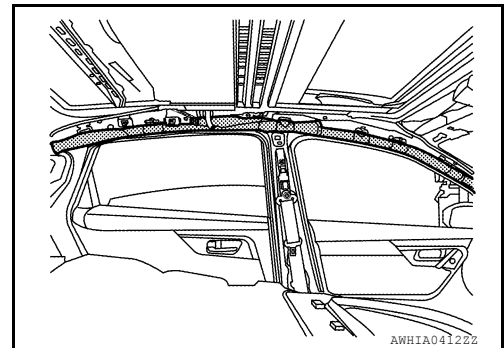
Front side air bag modules are built into the front seatback assemblies. Vehicles with side air bags are equipped with labels as shown.



### Side Curtain Air Bag Module

INFOID:0000000011893730

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.



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# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

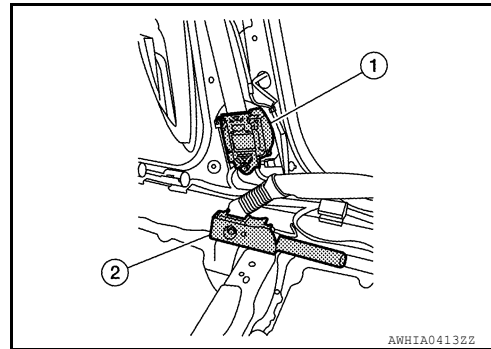
### Front Seat Belt Pre-tensioner

INFOID:000000011893731

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 (1) as well as the lap belt pre-tensioner (2). Vehicle passengers are securely restrained.

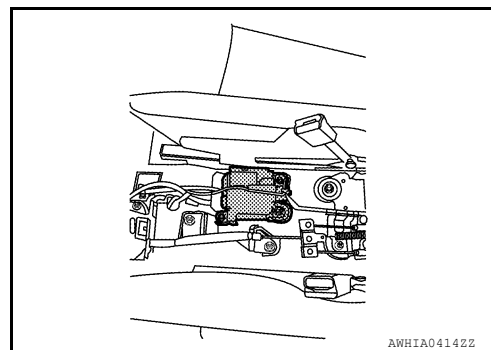
When passengers in a vehicle are thrown forward in a collision and the restraining force of the seat belt exceeds a specified level, the load limiter permits the specified extension of the seat belt by the twisting of the ELR shaft, and a relaxation of the chest-area seat belt web tension while maintaining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



### Air Bag Diagnosis Sensor Unit

INFOID:000000011537923

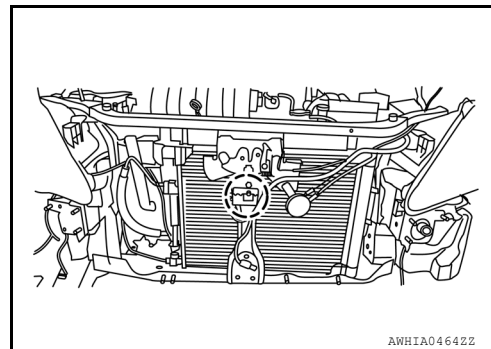
The air bag diagnosis sensor unit is located under the center console assembly. The air bag diagnosis sensor unit receives signals from multiple SRS sensors and controls the deployment of the air bags. The deployment of the air bags depends on the type and severity of the collision. The air bag diagnosis 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

INFOID:000000011537924

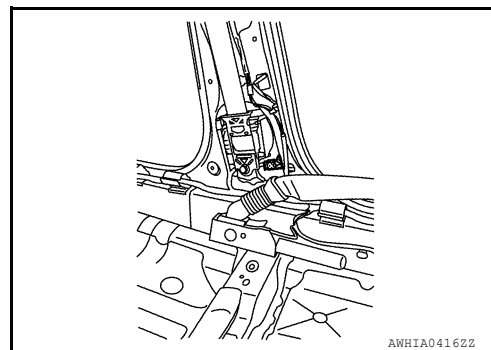
The crash zone sensor is located in front of the radiator. The crash zone sensor sends signals to the air bag diagnosis sensor unit during a frontal collision. This sensor may be identified by a yellow connector.



### Front Side Air Bag Satellite Sensor

INFOID:000000011537925

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.





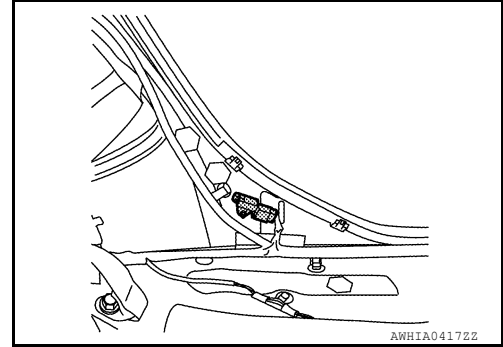
# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

### Rear Side Air Bag Satellite Sensor

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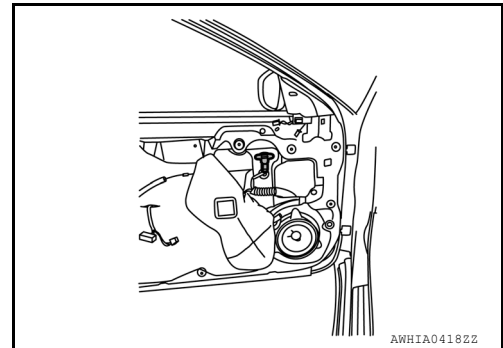
The rear side air bag satellite sensors are located behind the dash side lower finisher LH and RH. The rear side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



### Front Door Satellite Sensor

INFOID:000000011537927

The front door satellite sensors are located in the driver and passenger doors. The sensors detect sudden pressure changes inside the door cavity and then send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



### SRS Component Connectors

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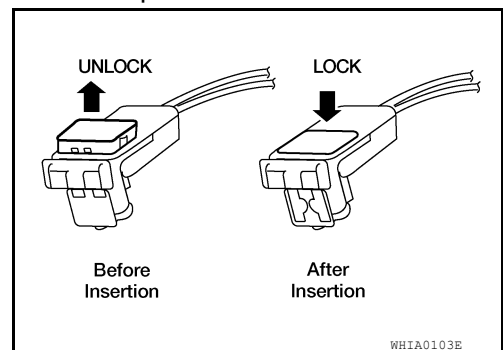
#### DIRECT CONNECT

The following SRS components use direct-connect style harness connectors.

- Driver front air bag module
- Passenger front air bag module
- LH side curtain air bag module
- RH side curtain air bag module
- Front LH seat belt pre-tensioner
- Front RH seat belt pre-tensioner

Always pull up to release locking tab prior to removing connector from SRS component.

Always push down to lock locking tab after installing connector to SRS component. When locked, the locking tab is level with the connector housing.



#### SLIDE DOUBLE LOCKING

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

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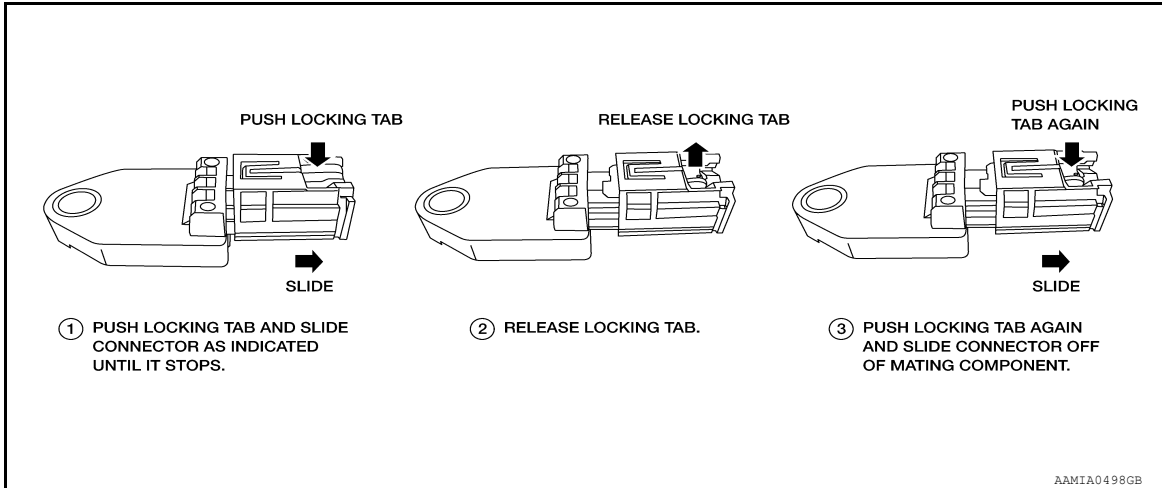
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# COMPONENT PARTS

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- Do not pull the harness or wires when disconnecting the connector.



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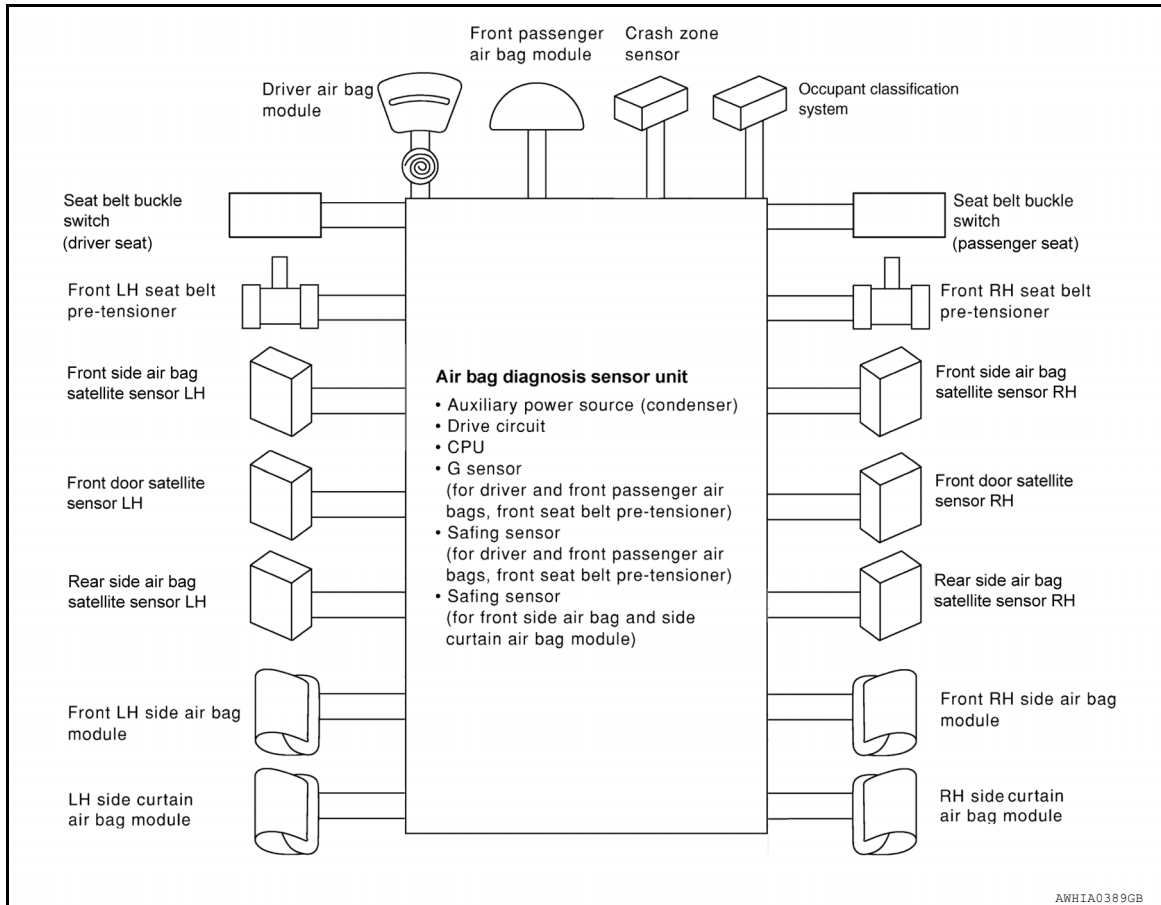
< SYSTEM DESCRIPTION >

## SYSTEM

### SRS AIR BAG SYSTEM

#### SRS AIR BAG SYSTEM : System Diagram

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#### SRS AIR BAG SYSTEM : System Description

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- 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

SRS configuration	Frontal collision	Left side collision	Right side collision
Driver air bag module	x	—	—
Front passenger air bag module	x	—	—
Front LH seat belt pre-tensioner	x	—	—
Front RH seat belt pre-tensioner	x	—	—
Front LH side air bag module	—	x	—
Front RH side air bag module	—	—	x
LH side curtain air bag module	—	x	—
RH side curtain air bag module	—	—	x

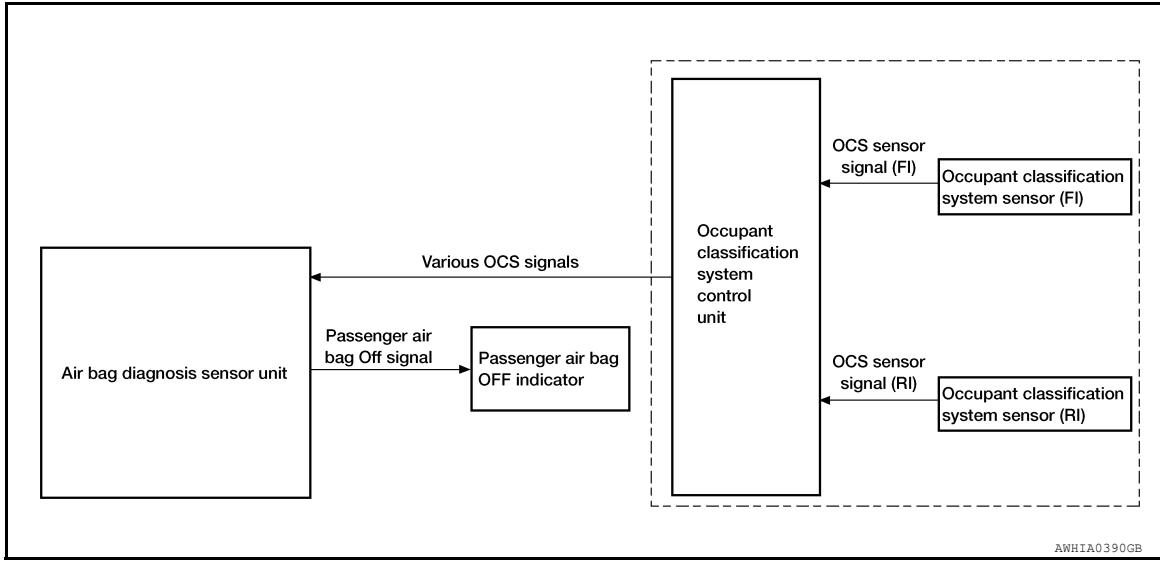
## OCCUPANT CLASSIFICATION SYSTEM

# SYSTEM

< SYSTEM DESCRIPTION >

## OCCUPANT CLASSIFICATION SYSTEM : System Diagram

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## OCCUPANT CLASSIFICATION SYSTEM : System Description

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The occupant classification system (OCS) identifies different size occupants, out of position occupants, and detects if a child seat is present in the front passenger seat. The OCS control unit (2) receives inputs from the occupant classification sensors (1) (located inside the passenger seat cushion 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 (passenger seat) 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).

Passenger Air Bag Status Conditions

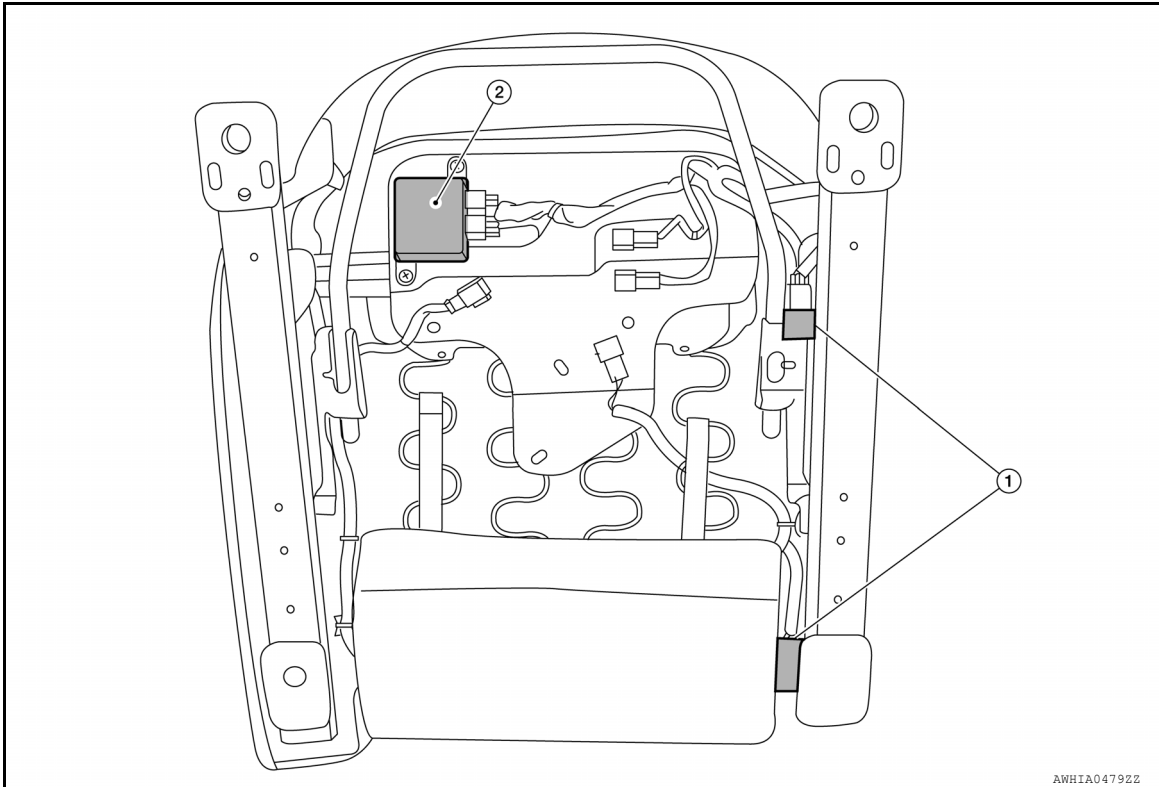
Front Passenger Seat (Condition)	PASS AIR BAG OFF Indicator (Status)	Passenger Air Bag Status (Readiness)	CONSULT Display
Seat occupied	OFF	Active (enabled)	ON
Seat occupied <sup>NOTE</sup>	ON	Deactivated (disabled)	OFF
Seat empty	OFF	Deactivated (disabled)	OFF

**NOTE:**

# SYSTEM

## < SYSTEM DESCRIPTION >

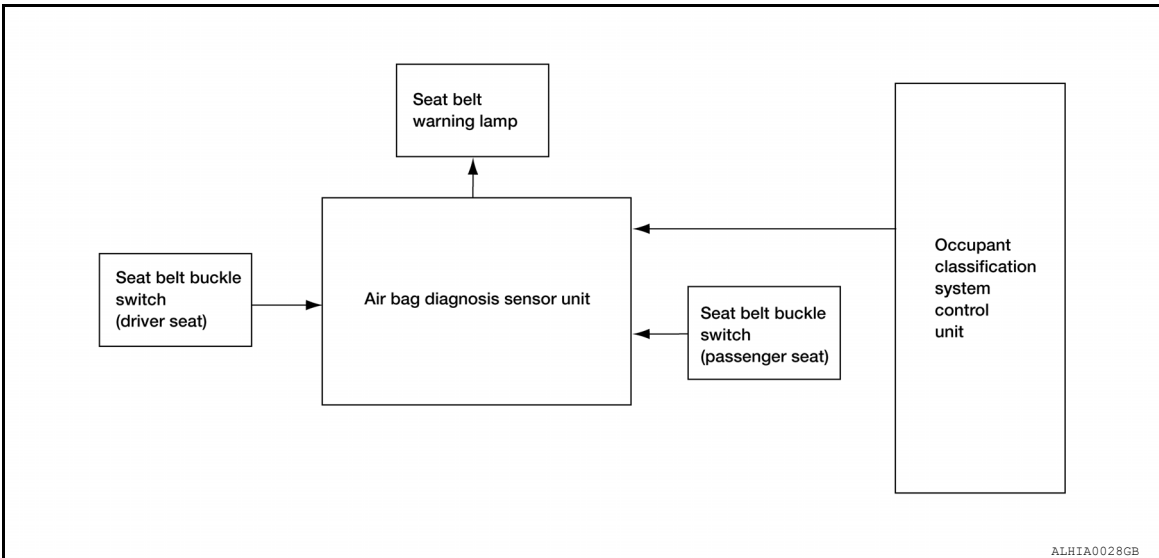
Passenger does not meet Occupant Classification System specifications for passenger air bag activation.



## SEAT BELT WARNING LAMP SYSTEM

### SEAT BELT WARNING LAMP SYSTEM : System Diagram

INFOID:000000011537933



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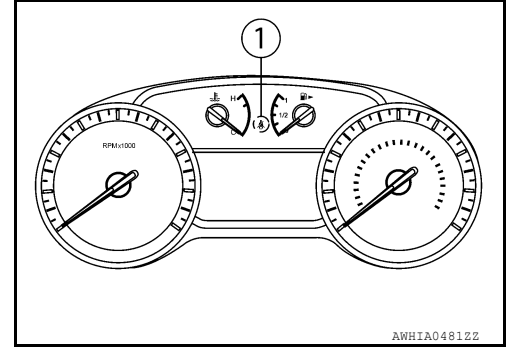
# SYSTEM

< SYSTEM DESCRIPTION >

## SEAT BELT WARNING LAMP SYSTEM : System Description

INFOID:000000011537934

The seat belt warning lamp (1) will remind the driver if the driver or front passenger (US/CAN models) seat belt should be buckled. The system works in conjunction with the occupant classification system. Refer to [SRC-12, "OCCUPANT CLASSIFICATION SYSTEM : System Description"](#).



### Seat Belt Warning System Operation

Driver seat status (Ignition switch ON)	Passenger seat status	Seat belt buckle switch (driver side) status	Seat belt buckle switch (passenger side) status	Seat belt warning lamp
Seat occupied	Seat occupied	Buckled	Buckled	Off
			Unbuckled	On
	Seat unoccupied	Unbuckled	—	Off
			—	On

# DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

## DIAGNOSIS SYSTEM (AIR BAG)

### Description

INFOID:000000011537935

#### 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 results 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.

×: Application, —: Not application

Diagnosis tool	User mode	Diagnosis mode
Air bag warning lamp	×	×
CONSULT	—	×

### On Board Diagnosis Function

INFOID:000000011537936

#### 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 second and turns OFF, then turn ignition switch OFF within 2 second 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 turning 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:

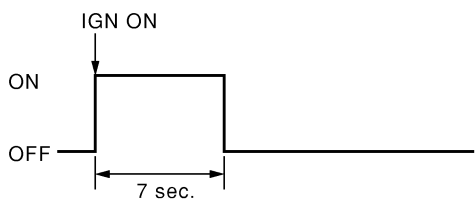
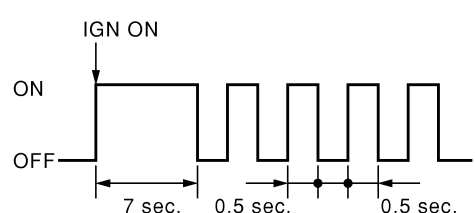
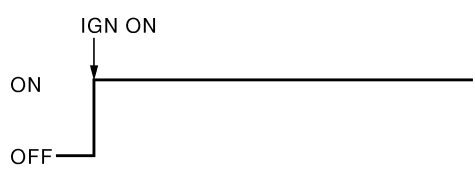
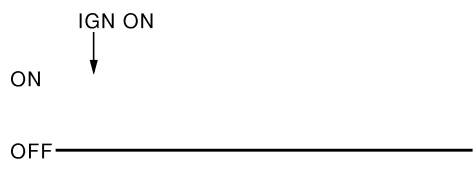
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# DIAGNOSIS SYSTEM (AIR BAG)

## < SYSTEM DESCRIPTION >

Air bag warning lamp flashing pattern (User Mode)

Warning lamp	SRS condition	Reference item
 <p>SHIA0011E</p>	<ul style="list-style-type: none"> <li>No malfunction is detected.</li> <li>No further action is necessary.</li> </ul>	—
 <p>SHIA0012E</p>	<p>The system is malfunctioning and needs to be repaired.</p> <p>Zero point reset is incomplete</p>	<p>Refer to <a href="#">SRC-16, "Trouble Diagnosis with CONSULT"</a> or <a href="#">SRC-17, "Trouble Diagnosis without CONSULT"</a>.</p> <p>Refer to <a href="#">SRC-41, "ZERO POINT RESET : Special Repair Requirement"</a>.</p>
 <p>SHIA0013E</p>	<ul style="list-style-type: none"> <li>Air bag is deployed.</li> <li>Seat belt pre-tensioner is deployed.</li> <li>Air bag diagnosis sensor unit is malfunctioning.</li> <li>Air bag power supply circuit is malfunctioning.</li> <li>SRS air bag warning lamp circuit is malfunctioning.</li> </ul>	<p>Refer to <a href="#">SR-5, "For Frontal Collision"</a> or <a href="#">SR-7, "For Side and Rollover Collision"</a>.</p> <p>Refer to <a href="#">SRC-123, "Diagnosis Procedure"</a>.</p>
 <p>SHIA0014E</p>	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is malfunctioning.</li> <li>Air bag warning lamp circuit is malfunctioning.</li> </ul>	<p>Refer to <a href="#">SRC-124, "Diagnosis Procedure"</a>.</p>

## Trouble Diagnosis with CONSULT

INFOID:000000011537937

1. Connect CONSULT.
2. DTC is displayed on SELF-DIAG RESULTS.

### NOTE:

If a malfunction is not detected on SELF-DIAG RESULTS [CURRENT], but a malfunction is detected during SRS Operation Check, the following cases may exist:

- SELF-DIAG [PAST] memory might not be erased. Refer to [SRC-17, "SRS Final Check"](#).
- SRS system malfunctions intermittently. Refer to [SRC-42, "Inspection Procedure"](#).



# DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

## Trouble Diagnosis without CONSULT

INFOID:000000011537938

### 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.
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-23, "Flash Code Index"](#).

### SRS History Check

INFOID:000000011537939

#### SRS HISTORY CHECK

1. Check repair history of the SRS. If no repairs have been made, perform [SRC-15, "On Board Diagnosis Function"](#). If repairs have been made, GO TO step 2.
2. Erase "SELF-DIAG [PAST]" after repair. Refer to [SRC-17, "SRS Final Check"](#).

### SRS Final Check

INFOID:000000011537940

#### DIAGNOSIS MODE

1. Connect CONSULT.
2. Confirm that zero point reset of OCS is complete.
3. If no DTCs are detected on "SELF-DIAG RESULTS [CURRENT]", repair of SRS is completed. Go to step 4.  
If any DTCs are detected on "SELF-DIAG RESULTS [CURRENT]", the malfunction has not been repaired completely or another malfunction is being detected. Perform SRS Operation Check again. Refer to [SRC-15, "On Board Diagnosis Function"](#).
4. Touch "ERASE".  
**NOTE:**  
Touching "ERASE" will clear the SRS memory of the malfunction ("SELF-DIAG [PAST]"). If "SELF-DIAG [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-DIAG [PAST]".
6. Exit Diagnosis Mode and disconnect the CONSULT.
7. Perform SRS Operation Check. Refer to [SRC-15, "On Board Diagnosis Function"](#).

### CONSULT Function (AIR BAG)

INFOID:000000011537941

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

Diagnostic Test Mode	Diagnostic Item	Description
Self Diagnostic Result	SELF-DIAG RESULT [CURRENT]	A current Self-diagnosis result (also indicated by the number of warning lamp flashes in the Diagnosis mode) is displayed on the CONSULT screen in real time. This refers to a malfunctioning part requiring repairs.
Data Monitor	DATA MONITOR	Displays air bag diagnosis sensor unit input/output data in real time.
Ecu Identification	ECU DISCRIMINATED NO.	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.
Trouble Diagnostic Record	TROUBLE DIAG RECORD [PAST]	With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on the CONSULT screen.

### CONSULT Function (OCCUPANT DETECTION)

INFOID:000000011537942

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

## DIAGNOSIS SYSTEM (AIR BAG)

### < SYSTEM DESCRIPTION >

Diagnostic Test Mode	Diagnostic Item	Description
Work Support	ZERO POINT RESET FUNCTION	Perform zero point reset. Refer to <a href="#">SRC-41, "ZERO POINT RESET : Special Repair Requirement"</a> .

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

## ECU DIAGNOSIS INFORMATION

### DIAGNOSIS SENSOR UNIT

#### DTC Index

INFOID:0000000011537943

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
U1000-01	CAN COMM CIRCUIT	—	—	<a href="#">SRC-43. "Diagnosis Procedure"</a>
U1010-49	CONTROL UNIT (CAN)	—	—	<a href="#">SRC-44. "Diagnosis Procedure"</a>
B0001-00	DRIVER AIRBAG MODULE [SHORT]	Front air bag system	1	<a href="#">SRC-46. "Diagnosis Procedure"</a>
B0001-09	DRIVER AIRBAG MODULE [SHORT]			
B0001-11	DRIVER AIRBAG MODULE [GND-SHORT]			
B0001-12	DRIVER AIRBAG MODULE [VB-SHORT]			
B0001-13	DRIVER AIRBAG MODULE [OPEN]			
B0001-1A	DRIVER AIRBAG MODULE [SHORT]			
B0002-00	DRIVER AIRBAG MODULE 2 [SHORT]	Front air bag system	1	<a href="#">SRC-50. "Diagnosis Procedure"</a>
B0002-09	DRIVER AIRBAG MODULE 2 [SHORT]			
B0002-11	DRIVER AIRBAG MODULE 2 [GND-SHORT]			
B0002-12	DRIVER AIRBAG MODULE 2 [VB-SHORT]			
B0002-13	DRIVER AIRBAG MODULE 2 [OPEN]			
B0002-1A	DRIVER AIRBAG MODULE 2 [SHORT]			
B0010-09	ASSIST A/B MODULE [SHORT]	Front air bag system	2	<a href="#">SRC-54. "Diagnosis Procedure"</a>
B0010-11	ASSIST A/B MODULE [GND-SHORT]			
B0010-12	ASSIST A/B MODULE [VB-SHORT]			
B0010-13	ASSIST A/B MODULE [OPEN]			
B0010-1A	ASSIST A/B MODULE [SHORT]			
B0011-09	ASSIST A/B MODULE 2 [SHORT]	Front air bag system	2	<a href="#">SRC-57. "Diagnosis Procedure"</a>
B0011-11	ASSIST A/B MODULE 2 [GND-SHORT]			
B0011-12	ASSIST A/B MODULE 2 [VB-SHORT]			
B0011-13	ASSIST A/B MODULE 2 [OPEN]			
B0011-1A	ASSIST A/B MODULE 2 [SHORT]			
B0020-09	SIDE A/B MODULE LH [SHORT]	Side air bag system	1	<a href="#">SRC-60. "Diagnosis Procedure"</a>
B0020-11	SIDE A/B MODULE LH [GND-SHORT]			
B0020-12	SIDE A/B MODULE LH [VB-SHORT]			
B0020-13	SIDE A/B MODULE LH [OPEN]			
B0020-1A	SIDE A/B MODULE LH [SHORT]			
B0021-09	CURTAIN A/B MODULE LH [SHORT]	Side air bag system	3	<a href="#">SRC-63. "Diagnosis Procedure"</a>
B0021-11	CURTAIN A/B MODULE LH [GND-SHORT]			
B0021-12	CURTAIN A/B MODULE LH [VB-SHORT]			
B0021-13	CURTAIN A/B MODULE LH [OPEN]			
B0021-1A	CURTAIN A/B MODULE LH [SHORT]			

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## DIAGNOSIS SENSOR UNIT

### < ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B0028-09	SIDE A/B MODULE RH [SHORT]	Side air bag system	2	<a href="#">SRC-66. "Diagnosis Procedure"</a>
B0028-11	SIDE A/B MODULE RH [GND-SHORT]			
B0028-12	SIDE A/B MODULE RH [VB-SHORT]			
B0028-13	SIDE A/B MODULE RH [OPEN]			
B0028-1A	SIDE A/B MODULE RH [SHORT]			
B0029-09	CURTAIN A/B MODULE RH [SHORT]	Side air bag system	4	<a href="#">SRC-69. "Diagnosis Procedure"</a>
B0029-11	CURTAIN A/B MODULE RH [GND-SHORT]			
B0029-12	CURTAIN A/B MODULE RH [VB-SHORT]			
B0029-13	CURTAIN A/B MODULE RH [OPEN]			
B0029-1A	CURTAIN A/B MODULE RH [SHORT]			
B0091-11	B-PILLAR SAT SEN LH [GND-SHORT]	Sensor system	2	<a href="#">SRC-72. "Diagnosis Procedure"</a>
B0091-23	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]			
B0091-24	B-PILLAR SAT SEN LH [UPPER LIMIT ERR]			
B0091-25	B-PILLAR SAT SEN LH [SELF-DIAG ERR]			
B0091-28	B-PILLAR SAT SEN LH [OFFSET ERR]			
B0091-81	B-PILLAR SAT SEN LH [COMM ERR]			
B0091-86	B-PILLAR SAT SEN LH [UNMATCH]			
B0091-88	B-PILLAR SAT SEN LH [OPEN]			
B0091-93	B-PILLAR SAT SEN LH [RESET]			
B0092-11	C-PILLAR SAT SEN LH [GND-SHORT]	Sensor system	4	<a href="#">SRC-75. "Diagnosis Procedure"</a>
B0092-23	C-PILLAR SAT SEN LH [LOWER LIMIT ERR]			
B0092-24	C-PILLAR SAT SEN LH [UPPER LIMIT ERR]			
B0092-93	C-PILLAR SAT SEN LH [SELF-DIAG ERR]			
B0092-28	C-PILLAR SAT SEN LH [OFFSET ERR]			
B0092-81	C-PILLAR SAT SEN LH [COMM ERR]			
B0092-86	C-PILLAR SAT SEN LH [UNMATCH]			
B0092-88	C-PILLAR SAT SEN LH [OPEN]			
B0092-93	C-PILLAR SAT SEN LH [RESET]			
B0093-11	DOOR SATEL SENS LH [GND-SHORT]	Sensor system	6	<a href="#">SRC-78. "Diagnosis Procedure"</a>
B0093-23	DOOR SATEL SENS LH [LOWER LIMIT ERR]			
B0093-24	DOOR SATEL SENS LH [UPPER LIMIT ERR]			
B0093-25	DOOR SATEL SENS LH [SELF-DIAG ERR]			
B0093-28	DOOR SATEL SENS LH [OFFSET ERR]			
B0093-81	DOOR SATEL SENS LH [COMM ERR]			
B0093-86	DOOR SATEL SENS LH [UNMATCH]			
B0093-88	DOOR SATEL SENS LH [OPEN]			
B0093-93	DOOR SATEL SENS LH [RESET]			

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page	
		System display	Item display		
B0094-11	CRASH ZONE SENS [GND-SHORT]	Sensor system	1	<a href="#">SRC-81. "Diagnosis Procedure"</a>	A
B0094-23	CRASH ZONE SENS [LOWER LIMIT ERR]				B
B0094-24	CRASH ZONE SENS [UPPER LIMIT ERR]				C
B0094-25	CRASH ZONE SENS [SELF-DIAG ERR]				D
B0094-28	CRASH ZONE SENS [OFFSET ERR]				E
B0094-81	CRASH ZONE SENS [COMM ERR]				
B0094-86	CRASH ZONE SENS [UNMATCH]				
B0094-88	CRASH ZONE SENS [OPEN]				
B0094-93	CRASH ZONE SENS [RESET]				
B0096-11	B-PILLAR SAT SEN RH [GND-SHORT]	Sensor system	3	<a href="#">SRC-84. "Diagnosis Procedure"</a>	F
B0096-23	B-PILLAR SAT SEN RH [LOWER LIMIT ERR]				G
B0096-24	B-PILLAR SAT SEN RH [UPPER LIMIT ERR]				
B0096-25	B-PILLAR SAT SEN RH [SELF-DIAG ERR]				
B0096-28	B-PILLAR SAT SEN RH [OFFSET ERR]				
B0096-81	B-PILLAR SAT SEN RH [COMM ERR]				
B0096-86	B-PILLAR SAT SEN RH [UNMATCH]				
B0096-88	B-PILLAR SAT SEN RH [OPEN]				
B0096-93	B-PILLAR SAT SEN RH [RESET]				
B0097-11	C-PILLAR SAT SEN RH [GND-SHORT]	Sensor system	5	<a href="#">SRC-87. "Diagnosis Procedure"</a>	I
B0097-23	C-PILLAR SAT SEN RH [LOWER LIMIT ERR]				J
B0097-24	C-PILLAR SAT SEN RH [UPPER LIMIT ERR]				K
B0097-25	C-PILLAR SAT SEN RH [SELF-DIAG ERR]				L
B0097-28	C-PILLAR SAT SEN RH [OFFSET ERR]				
B0097-81	C-PILLAR SAT SEN RH [COMM ERR]				
B0097-86	C-PILLAR SAT SEN RH [UNMATCH]				
B0097-88	C-PILLAR SAT SEN RH [OPEN]				
B0097-93	C-PILLAR SAT SEN RH [RESET]				
B0098-11	DOOR SATEL SENS RH [GND-SHORT]	Sensor system	7	<a href="#">SRC-90. "Diagnosis Procedure"</a>	M
B0098-23	DOOR SATEL SENS RH [LOWER LIMIT ERR]				N
B0098-24	DOOR SATEL SENS RH [UPPER LIMIT ERR]				O
B0098-25	DOOR SATEL SENS RH [SELF-DIAG ERR]				P
B0098-28	DOOR SATEL SENS RH [OFFSET ERR]				
B0098-81	DOOR SATEL SENS RH [COMM ERR]				
B0098-86	DOOR SATEL SENS RH [UNMATCH]				
B0098-88	DOOR SATEL SENS RH [OPEN]				
B0098-93	DOOR SATEL SENS RH [RESET]				

SRC

## DIAGNOSIS SENSOR UNIT

### < ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B00A0-00	OCCUPANT SENS [ABNOMAL VOLTAGE]	Air bag control unit system	4	<a href="#">SRC-93. "Diagnosis Procedure (B00A0-00, -02 or -09)"</a>
B00A0-02	OCCUPANT SENS [UNIT MALFUNC]			
B00A0-09	OCCUPANT SENS [UNIT MALFUNC]			
B00A0-04	OCCUPANT SENS C/U [UNIT MALFUNC]			<a href="#">SRC-94. "Diagnosis Procedure (B00A0-04)"</a>
B00A0-83	OCCUPANT SENS C/U [COMM ERR]			
B00A0-86	OCCUPANT SENS C/U [COMM ERR]			
B00A0-87	OCCUPANT SENS C/U [COMM ERR]			
B00A0-88	OCCUPANT SENS C/U [COMM ERR]			
B00A0-8F	OCCUPANT SENS C/U [UNDEFINED]			
B00A0-93	OCCUPANT SENS C/U [RESET]			<a href="#">SRC-96. "Diagnosis Procedure (B00A0-93)"</a>
B00D5-04	PASS A/B INDCTR CKT [UNIT MALFUNC]	Air bag control unit system	3	<a href="#">SRC-100. "Diagnosis Procedure"</a>
B00D5-11	PASS A/B INDCTR CKT [GND-SHORT]			
B00D5-12	PASS A/B INDCTR CKT [VB-SHORT]			
B00D5-13	PASS A/B INDCTR CKT [OPEN]			
B00D5-15	PASS A/B INDCTR CKT [PWR-SHORT/OPEN]			
B1428-13	BUCKLE SW LH CIRCUIT [OPEN]	Air bag control unit system	8	<a href="#">SRC-103. "Diagnosis Procedure"</a>
B1428-12	BUCKLE SW LH CIRCUIT [VB-SHORT]			
B1428-11	BUCKLE SW LH CIRCUIT [GND-SHORT]			
B1428-00	BUCKLE SW LH CIRCUIT [UNDEFINED]			
B1429-13	BUCKLE SW RH CIRCUIT [OPEN]		9	<a href="#">SRC-106. "Diagnosis Procedure"</a>
B1429-12	BUCKLE SW RH CIRCUIT [VB-SHORT]			
B1429-11	BUCKLE SW RH CIRCUIT [GND-SHORT]			
B1429-00	BUCKLE SW RH CIRCUIT [UNDEFINED]			
B1430-09	PRE-TEN FRONT LH [SHORT]	Front air bag system	3	<a href="#">SRC-110. "Diagnosis Procedure"</a>
B1430-11	PRE-TEN FRONT LH [GND-SHORT]			
B1430-12	PRE-TEN FRONT LH [VB-SHORT]			
B1430-13	PRE-TEN FRONT LH [OPEN]			
B1430-1A	PRE-TEN FRONT LH [SHORT]			
B1431-09	PRE-TEN FRONT RH [SHORT]	Front air bag system	4	<a href="#">SRC-114. "Diagnosis Procedure"</a>
B1431-11	PRE-TEN FRONT RH [GND-SHORT]			
B1431-12	PRE-TEN FRONT RH [VB-SHORT]			
B1431-13	PRE-TEN FRONT RH [OPEN]			
B1431-1A	PRE-TEN FRONT RH [SHORT]			
B1432-09	PRE-TEN FRONT LH 2 [SHORT]	Front air bag system	5	<a href="#">SRC-110. "Diagnosis Procedure"</a>
B1432-11	PRE-TEN FRONT LH 2 [GND-SHORT]			
B1432-12	PRE-TEN FRONT LH 2 [VB-SHORT]			
B1432-13	PRE-TEN FRONT LH 2 [OPEN]			
B1432-1A	PRE-TEN FRONT LH 2 [SHORT]			

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page	
		System display	Item display		
B1433-09	PRE-TEN FRONT RH 2 [SHORT]	Front air bag system	6	<a href="#">SRC-114. "Diagnosis Procedure"</a>	A
B1433-11	PRE-TEN FRONT RH 2 [GND-SHORT]				B
B1433-12	PRE-TEN FRONT RH 2 [VB-SHORT]				C
B1433-13	PRE-TEN FRONT RH 2 [OPEN]				
B1433-1A	PRE-TEN FRONT RH 2 [SHORT]				
B142A-16	IGNITION VOLTAGE [VB-LOW]	—	—	<a href="#">SRC-117. "Diagnosis Procedure"</a>	D
B142A-17	IGNITION VOLTAGE [VB-HIGH]	—	—		
B1400-00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	<a href="#">SRC-121. "Diagnosis Procedure"</a>	E
B1401-00					F
B1402-00					G
B1403-00					
B1404-00					
B1405-00					
B1406-00					
B1407-00					
B1408-00					
B1409-00					
B1410-00					
B1411-00					
B1412-00					
B1413-00					
B1414-00					
B1415-00					
B1416-00					
B1417-00					
B1418-00					
B1419-00					
B1420-00					
B1421-00	FRONTAL COLLISION	Air bag control unit system	1	<a href="#">SR-5. "For Frontal Collision"</a>	M
B1422-00	SIDE COLLISION	Air bag control unit system		<a href="#">SR-7. "For Side and Rollover Collision"</a>	N
B1425-00	REAR COLLISION	Air bag control unit system		<a href="#">SR-12. "Removal and Installation"</a>	O
B1426-00	AIR BAG DISPOSAL	Air bag control unit system			P

SRC

### Flash Code Index

INFOID:0000000011537944

### WARNING LAMP FLASH CODE CHART

How to read flash codes

1. Put the vehicle in Diagnosis Mode. Refer to [SRC-16. "Trouble Diagnosis with CONSULT"](#).
2. All codes are preceded by a seven second "holding" flash.

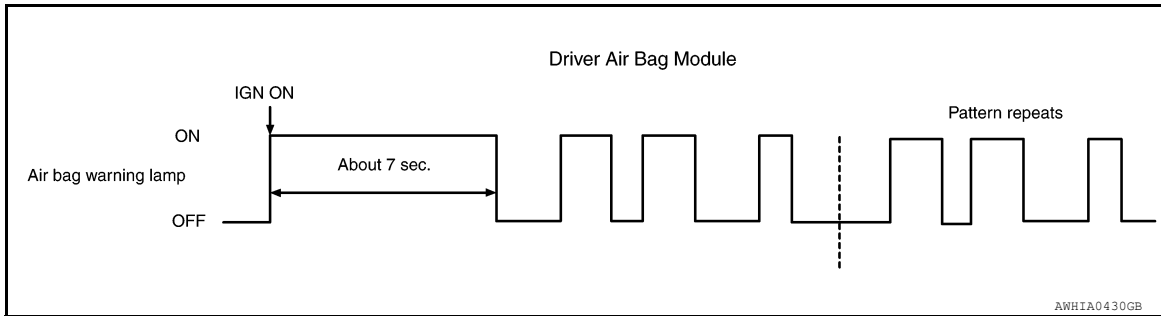
# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

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.

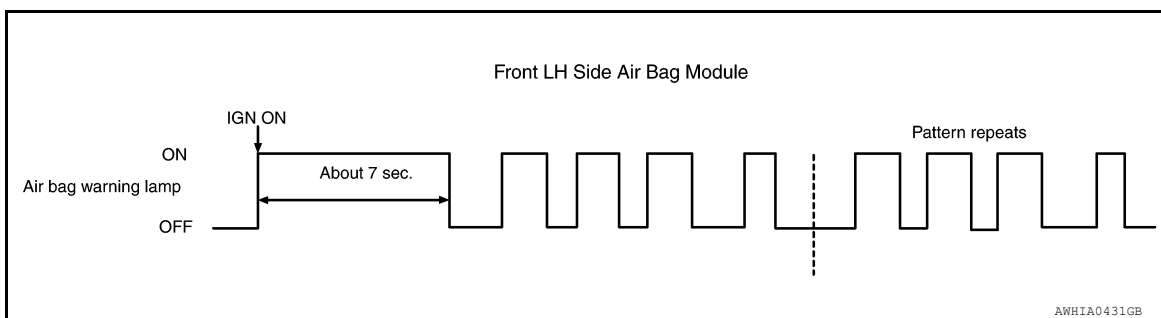
Refer to the illustrations below for an example of each flashing pattern.

### Front subsystem



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	1	Driver air bag module	<a href="#">SRC-46, "Diagnosis Procedure"</a>
		2	Passenger air bag module	<a href="#">SRC-50, "Diagnosis Procedure"</a>
		3	Front LH seat belt pre-tensioner (shoulder)	<a href="#">SRC-110, "Diagnosis Procedure"</a>
		4	Front RH seat belt pre-tensioner (shoulder)	<a href="#">SRC-114, "Diagnosis Procedure"</a>
		5	Front LH seat belt pre-tensioner (lap)	<a href="#">SRC-110, "Diagnosis Procedure"</a>
		6	Front RH seat belt pre-tensioner (lap)	<a href="#">SRC-114, "Diagnosis Procedure"</a>

### Side subsystem



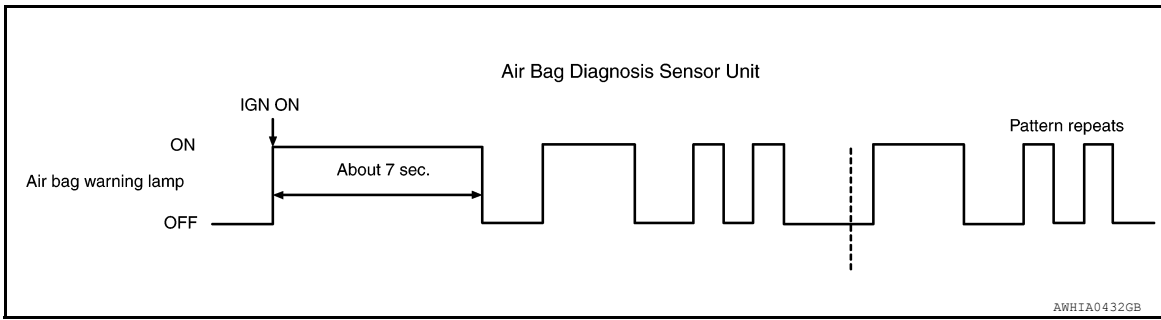
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
3	1.5	1	Front LH side air bag module	<a href="#">SRC-60, "Diagnosis Procedure"</a>
		2	Front RH side air bag module	<a href="#">SRC-66, "Diagnosis Procedure"</a>
		3	LH side curtain air bag module	<a href="#">SRC-63, "Diagnosis Procedure"</a>
		4	RH side curtain air bag module	<a href="#">SRC-69, "Diagnosis Procedure"</a>

### Air bag subsystem



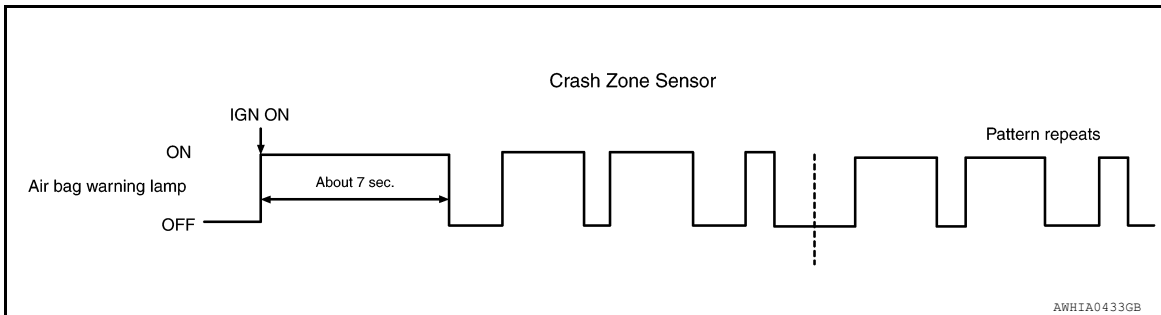
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	1	Collision detection	<a href="#">SRC-119. "Diagnosis Procedure"</a>
		2	Air bag diagnosis sensor unit	<a href="#">SRC-121. "Diagnosis Procedure"</a>
		3	Passenger air bag OFF indicator	<a href="#">SRC-100. "Diagnosis Procedure"</a>
		4	Occupant classification system	<a href="#">SRC-92. "DTC Description"</a>

Sensor subsystem



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	1	Crash zone sensor	<a href="#">SRC-81. "Diagnosis Procedure"</a>
		2	Front side air bag satellite sensor LH	<a href="#">SRC-72. "Diagnosis Procedure"</a>
		3	Front side air bag satellite sensor RH	<a href="#">SRC-84. "Diagnosis Procedure"</a>
		4	Rear side air bag satellite sensor LH	<a href="#">SRC-75. "Diagnosis Procedure"</a>
		5	Rear side air bag satellite sensor RH	<a href="#">SRC-87. "Diagnosis Procedure"</a>
		6	Front door satellite sensor LH	<a href="#">SRC-78. "Diagnosis Procedure"</a>
		7	Front door satellite sensor RH	<a href="#">SRC-90. "Diagnosis Procedure"</a>
		8	Seat belt buckle switch LH	<a href="#">SRC-103. "Diagnosis Procedure"</a>
		9	Seat belt buckle switch RH	<a href="#">SRC-106. "Diagnosis Procedure"</a>

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# SRS AIR BAG SYSTEM

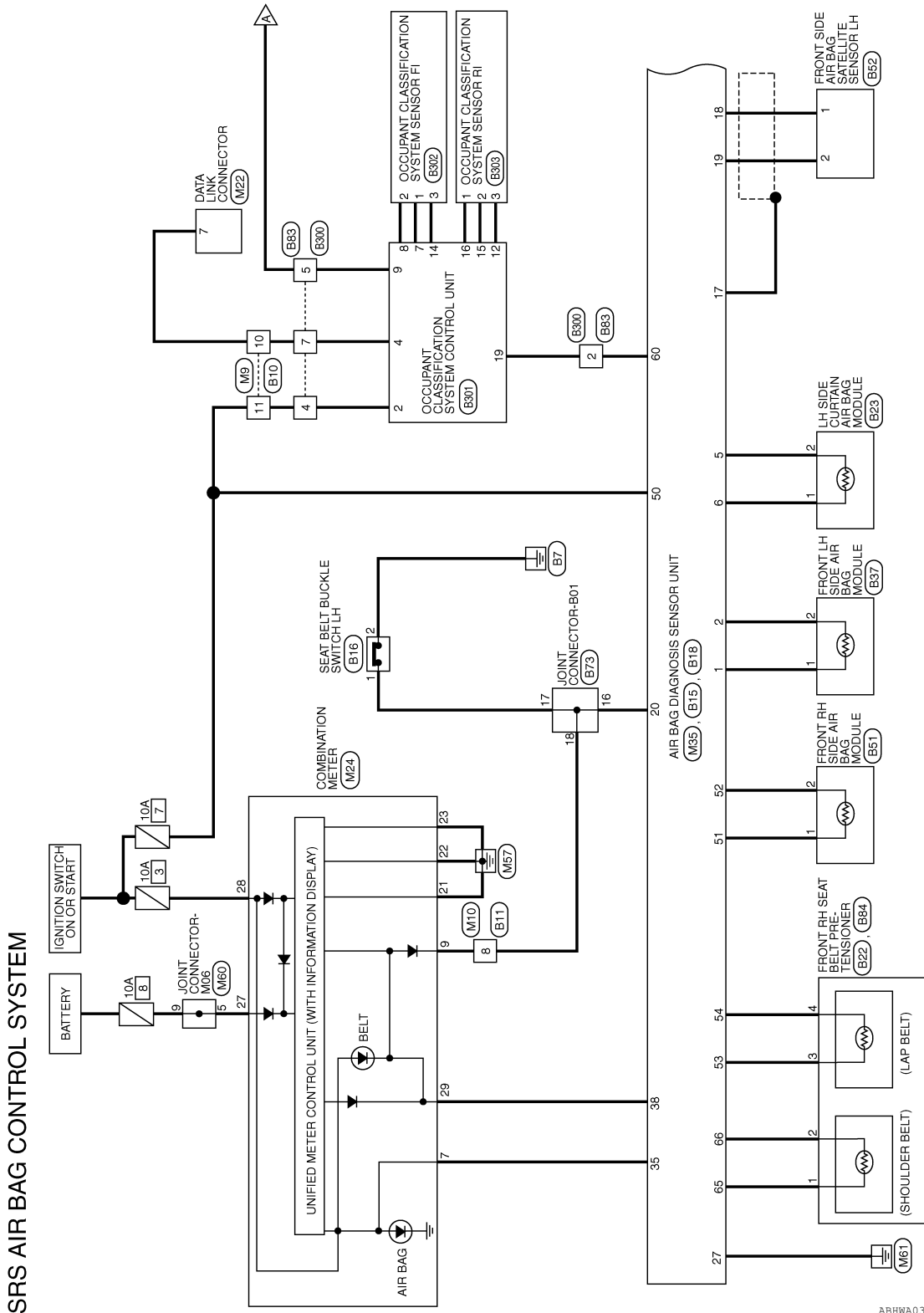
< WIRING DIAGRAM >

## WIRING DIAGRAM

### SRS AIR BAG SYSTEM

Wiring Diagram

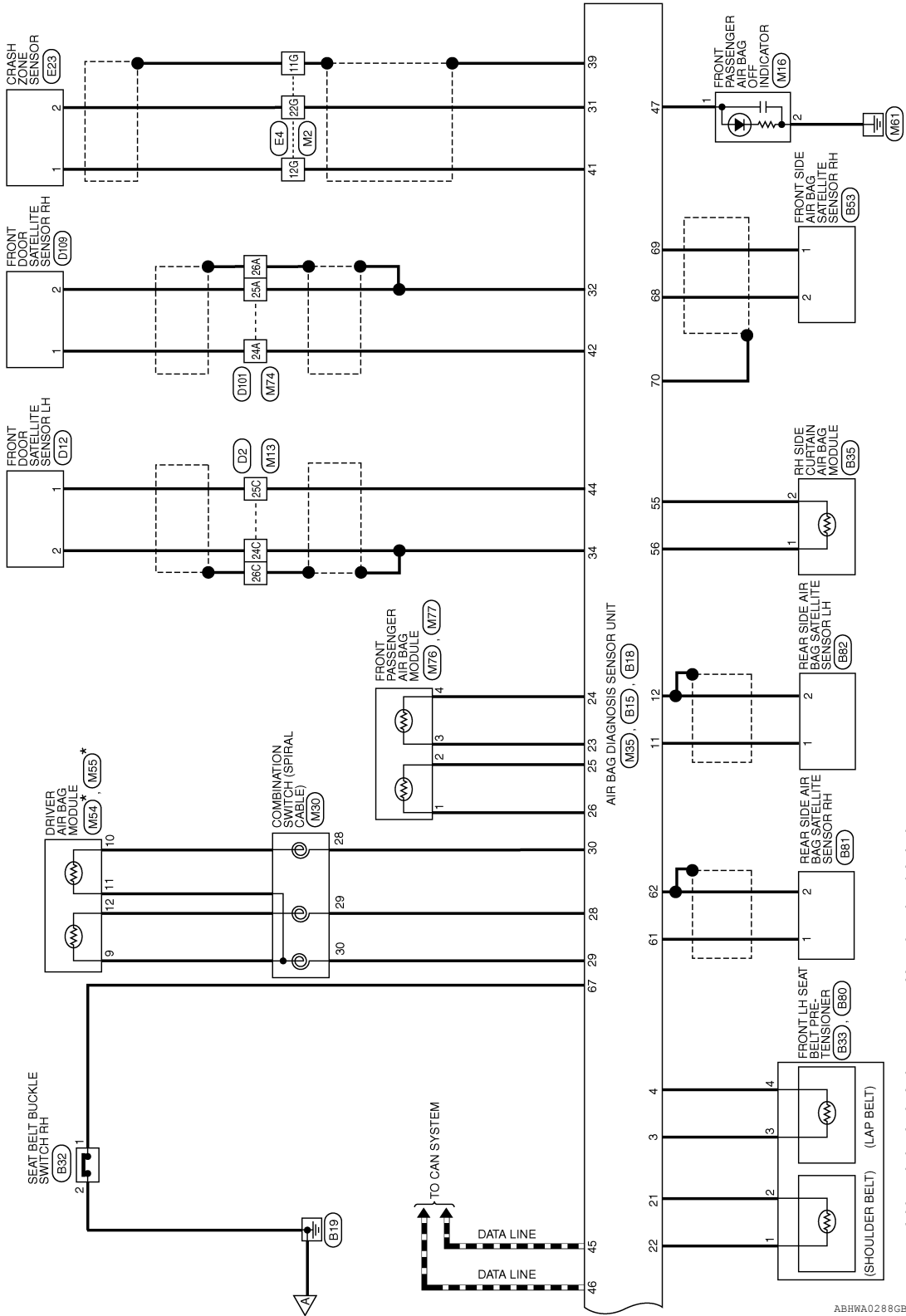
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# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >



\* : THIS CONNECTOR IS NOT SHOWN IN "HARNES LAYOUT" OF PG SECTION.

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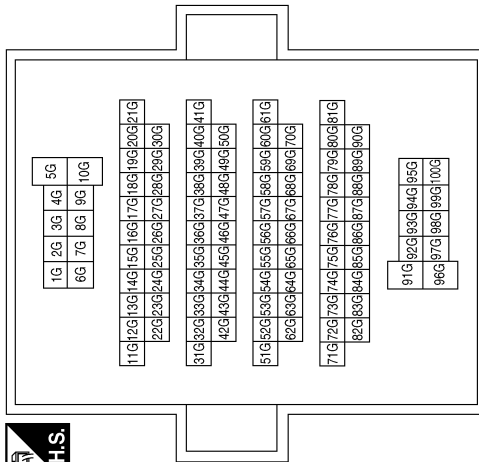
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# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

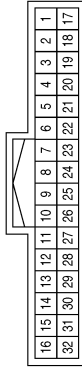
## SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M2
Connector Name	WIRE TO WIRE
Connector Color	WHITE



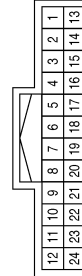
Terminal No.	Color of Wire	Signal Name
11G	SHIELD	-
12G	LG	-
22G	V	-

Connector No.	M9
Connector Name	WIRE TO WIRE
Connector Color	WHITE



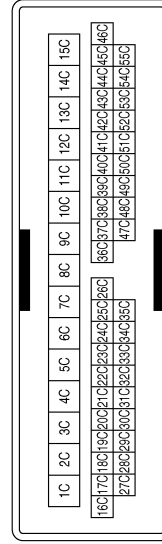
Terminal No.	Color of Wire	Signal Name
10	W	-
11	R	-

Connector No.	M10
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
8	L	-

Connector No.	M13
Connector Name	WIRE TO WIRE
Connector Color	WHITE


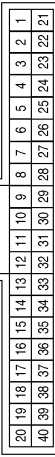


Terminal No.	Color of Wire	Signal Name
24C	BR	-
25C	Y	-
26C	B	-

# SRS AIR BAG SYSTEM


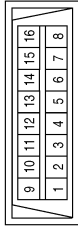
< WIRING DIAGRAM >

Connector No.	M24
Connector Name	COMBINATION METER
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
7	SB	AIRBAG WARN
9	L	DR BUCKLE SW
21	B	GND (ILL)
22	B	GND 2 (POWER)
23	B	GND 3 (CIRCUIT)
27	LG	BAT
28	GR	IGN
29	V	AS BUCKLE SW

Connector No.	M22
Connector Name	DATA LINK CONNECTOR
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
7	W	-

Connector No.	M16
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Color	BROWN

Terminal No.	Color of Wire	Signal Name
1	G	-
2	B	-

Connector No.	M30
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	YELLOW

Terminal No.	Color of Wire	Signal Name
28	Y	-
29	Y/V	-
30	Y/G	-

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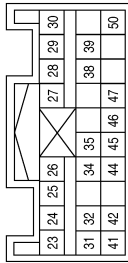
# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

Terminal No.	Color of Wire	Signal Name
38	V	SBR
39	SHIELD	GND
41	LG	ECZS (+)
42	R	RH DOOR-SAT (+)
44	Y	LH DOOR-SAT (+)
45	P	CAN-L
46	L	CAN-H
47	G	TELLTALE LAMP
50	BR	IGN

Terminal No.	Color of Wire	Signal Name
25	Y/B	AS1 (-)
26	Y/R	AS1 (+)
27	B	GND
28	Y/V	DR2 (+)
29	Y/G	DR1 (-)&DR2 (-)
30	Y	DR1 (+)
31	V	ECZS (-)
32	G	RH DOOR-SAT (-)
34	BR	LH DOOR-SAT (-)
35	SB	AWL

Connector No.	M35
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
23	Y/L	AS2 (+)
24	Y/BR	AS2 (-)

Connector No.	M60
Connector Name	JOINT CONNECTOR-M06
Connector Color	BLUE



Terminal No.	Color of Wire	Signal Name
5	LG	-
9	W	-

Connector No.	M55
Connector Name	DRIVER AIR BAG MODULE
Connector Color	ORANGE



Terminal No.	Color of Wire	Signal Name
9	R	-
12	G	-

Connector No.	M54
Connector Name	DRIVER AIR BAG MODULE
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
10	Y	-
11	L	-

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# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

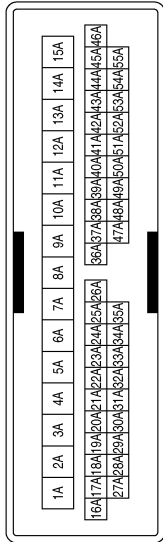
Connector No.	M76
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	Y/R	-
2	Y/B	-

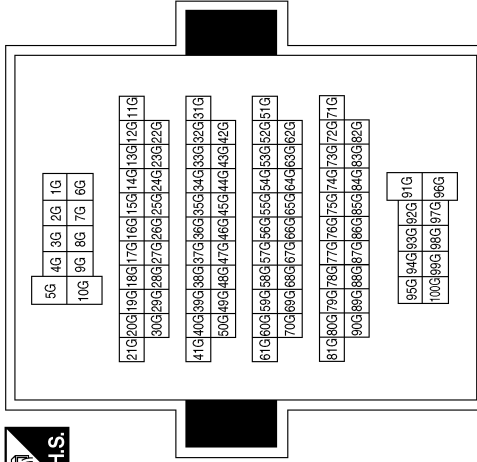
Terminal No.	Color of Wire	Signal Name
24A	R	-
25A	G	-
26A	B	-

Connector No.	M74
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Connector No.	E4
Connector Name	WIRE TO WIRE
Connector Color	WHITE

Terminal No.	3	4
Color of Wire	Y/L	Y/BR
Signal Name	-	-



Connector No.	M77
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Color	ORANGE



Terminal No.	3	4
Color of Wire	Y/L	Y/BR
Signal Name	-	-

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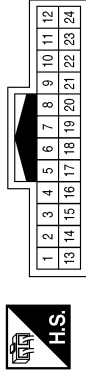
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# SRS AIR BAG SYSTEM

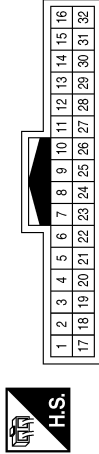
< WIRING DIAGRAM >

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Color	WHITE



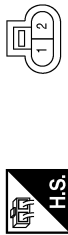
Terminal No.	8	Color of Wire	LG	Signal Name	-
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Connector No.	B10
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	10	Color of Wire	GR	Signal Name	-
	11	Color of Wire	P	Signal Name	-

Connector No.	E23
Connector Name	CRASH ZONE SENSOR
Connector Color	YELLOW



Terminal No.	1	Color of Wire	B	Signal Name	-
	2	Color of Wire	W	Signal Name	-

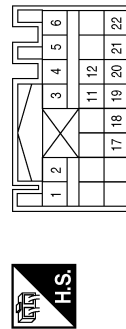
Connector No.	B16
Connector Name	SEAT BELT BUCKLE SWITCH LH
Connector Color	WHITE



Terminal No.	1	Color of Wire	R	Signal Name	-
	2	Color of Wire	B	Signal Name	-

Terminal No.	Color of Wire	Signal Name
4	Y/GR	LH SQUIB #2 (-)
5	Y	LH SQUIB #3 (-)
6	BR	LH SQUIB #3 (+)
11	W	LH C-SAT (+)
12	B	LH C-SAT (-)
17	B	GND
18	P	LH B-SAT (+)
19	L	LH B-SAT (-)
20	V	LH BUCKLE SW (+)
21	Y/B	P-LH1 (-)
22	Y/R	P-LH1 (+)

Connector No.	B15
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW



Terminal No.	1	Color of Wire	Y/G	Signal Name	LH SQUIB #1 (+)
	2	Color of Wire	Y	Signal Name	LH SQUIB #1 (-)
	3	Color of Wire	Y/L	Signal Name	LH SQUIB #2 (+)

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# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

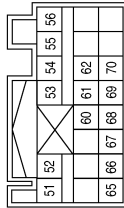
Connector No.	B22
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
1	Y/G	-
2	Y	-

Terminal No.	Color of Wire	Signal Name
54	Y/GR	RH SQUIB #2 (-)
55	BR	RH SQUIB #3 (-)
56	Y	RH SQUIB #3 (+)
60	R	ODS INPUT
61	V	RH C-SAT (+)
62	LG	RH C-SAT (-)
65	Y/G	P-RH1 (+)
66	Y	P-RH1 (-)
67	LG	RH BUCKLE SW (+)
68	R	RH B-SAT (-)
69	G	RH B-SAT (+)
70	B	GND

Connector No.	B18
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
51	Y/R	RH SQUIB #1 (+)
52	Y/B	RH SQUIB #1 (-)
53	Y/L	RH SQUIB #2 (+)

Connector No.	B33
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
1	Y/R	-
2	Y/B	-

Connector No.	B32
Connector Name	SEAT BELT BUCKLE SWITCH RH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	LG	-
2	B	-

Connector No.	B23
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Color	ORANGE



Terminal No.	Color of Wire	Signal Name
1	BR	-
2	Y	-

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# SRS AIR BAG SYSTEM

## < WIRING DIAGRAM >

Connector No.	B51
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
1	Y/R	-
2	Y/B	-

Connector No.	B37
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Color	YELLOW



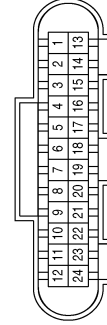
Terminal No.	Color of Wire	Signal Name
1	Y/G	-
2	Y	-

Connector No.	B35
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Color	ORANGE



Terminal No.	Color of Wire	Signal Name
1	Y	-
2	BR	-

Connector No.	B73
Connector Name	JOINT CONNECTOR-B01
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
16	V	-
17	R	-
18	LG	-

Connector No.	B53
Connector Name	FRONT SIDE AIR BAG SATELLITE SENSOR RH
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
1	G	-
2	R	-

Connector No.	B52
Connector Name	FRONT SIDE AIR BAG SATELLITE SENSOR LH
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
1	P	-
2	L	-

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# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

Connector No.	B82
Connector Name	REAR SIDE AIR BAG SATELLITE SENSOR LH
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
1	W	-
2	B	-

Connector No.	B81
Connector Name	REAR SIDE AIR BAG SATELLITE SENSOR RH
Connector Color	YELLOW



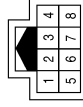
Terminal No.	Color of Wire	Signal Name
1	V	-
2	LG	-

Connector No.	B80
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Color	ORANGE



Terminal No.	Color of Wire	Signal Name
3	Y/L	-
4	Y/GR	-

Connector No.	B300
Connector Name	WIRE TO WIRE
Connector Color	WHITE



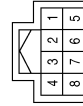
Terminal No.	Color of Wire	Signal Name
2	BR/W	-
4	W	-
5	B	-
7	GR	-

Connector No.	B84
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Color	ORANGE



Terminal No.	Color of Wire	Signal Name
3	Y/L	-
4	Y/GR	-

Connector No.	B83
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2	R	-
4	P	-
5	B	-
7	GR	-

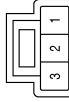
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# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

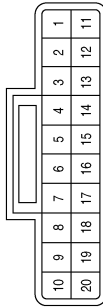
Connector No.	B302
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR FI
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	R/B	-
2	LG	-
3	R	-

Terminal No.	Color of Wire	Signal Name
8	LG	LOAD SENSOR FRONT INNER SIGNAL
9	B	GND
10	-	-
11	-	-
12	Y	LOAD SENSOR REAR INNER VCC
13	-	-
14	R	LOAD SENSOR FRONT INNER VCC
15	SB	LOAD SENSOR REAR INNER SIGNAL
16	W/L	LOAD SENSOR REAR INNER GND
17	-	-
18	-	-
19	BR/W	ACU COMM
20	-	-

Connector No.	B301
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Color	BLACK

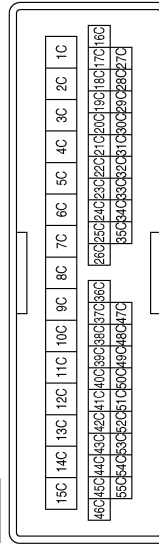


Terminal No.	Color of Wire	Signal Name
1	-	-
2	W	IGN
3	-	-
4	GR	K-LINE
5	-	-
6	-	-
7	R/B	LOAD SENSOR FRONT INNER GND

Connector No.	D12
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Color	YELLOW

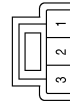


Connector No.	D2
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	R	-
2	G	-

Connector No.	B303
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR RI
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	W/L	-
2	SB	-
3	Y	-

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# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

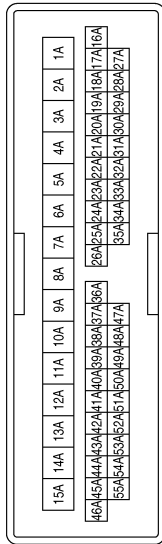
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Connector No.	D109
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
1	R	-
2	G	-

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
24A	R	-
25A	G	-
26A	B	-

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# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

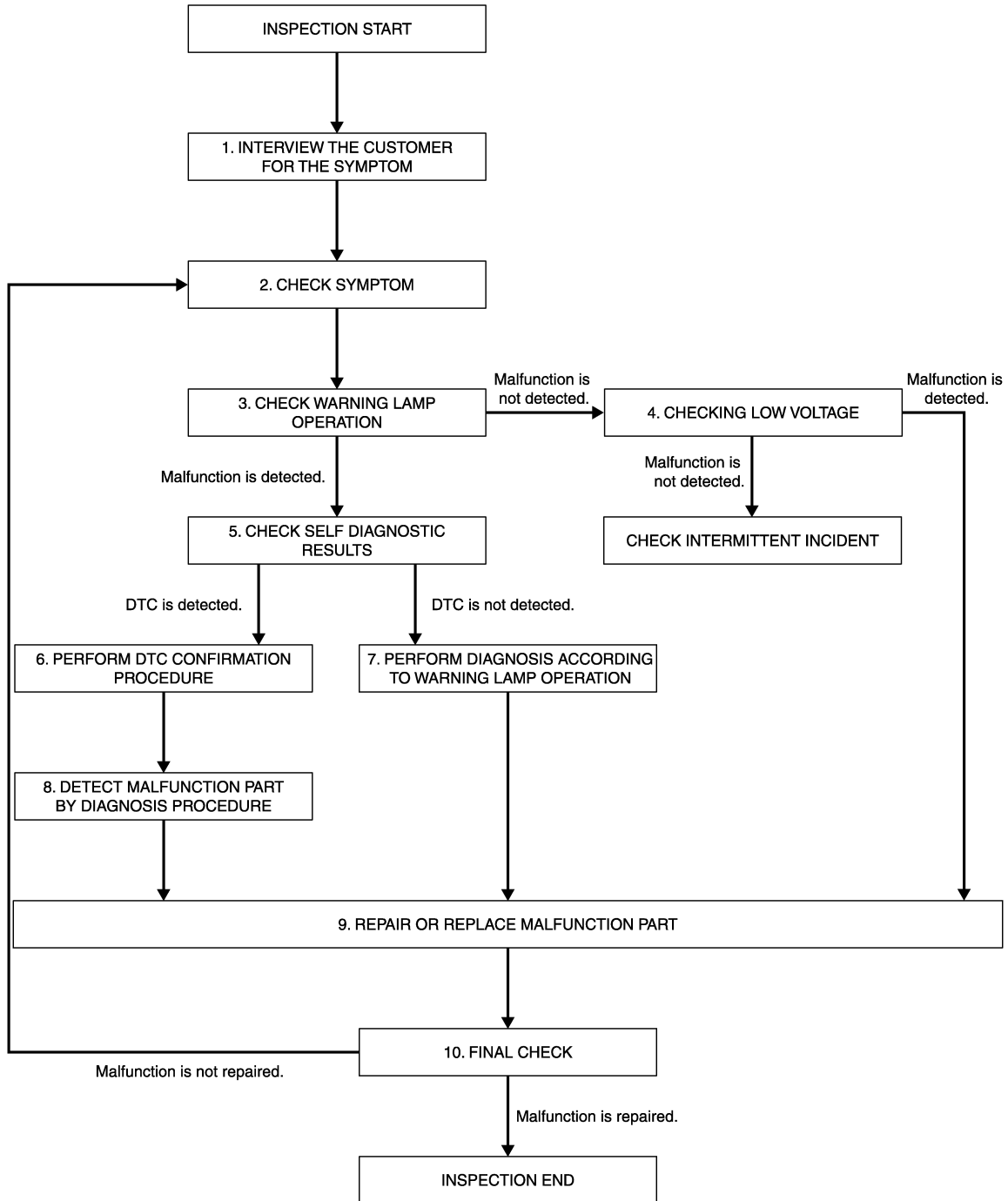
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

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OVERALL SEQUENCE



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DETAILED FLOW

# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

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## 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. Refer to [SRC-15, "On Board Diagnosis Function"](#).

Are any malfunction detected?

YES >> GO TO 5.

NO >> GO TO 4.

---

## 4. CHECK LOW VOLTAGE

---

Check low voltage.

Are any malfunction detected?

YES >> GO TO 9.

NO >> Check intermittent incident. Refer to [GI-40, "Intermittent Incident"](#).

---

## 5. CHECK SELF DIAGNOSTIC RESULTS

---

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. Refer to [SRC-15, "On Board Diagnosis Function"](#).
2. Perform Diagnosis Procedure for the air bag warning lamp operation. Refer to [SRC-15, "On Board Diagnosis Function"](#) (USER MODE).

>> 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

---

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## DIAGNOSIS AND REPAIR WORK FLOW

### < BASIC INSPECTION >

---

Repair or replace the malfunctioning part.

>> GO TO 10.

### 10.FINAL CHECK

---

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.



# INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

## INSPECTION AND ADJUSTMENT

### ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

#### ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Description

INFOID:000000011537947

#### **WARNING:**

Always perform zero point reset using CONSULT when removing and installing the front passenger seat or servicing the occupant classification system. If zero point reset is not performed, the OCS may not operate normally, which may increase the risk of serious injury in a collision.

#### ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Special Repair Requirement

INFOID:000000011537948

#### WORK PROCEDURE WHEN REPLACING OCS CONTROL UNIT

##### 1.PERFORM ZERO POINT RESET

Perform zero point reset. Refer to [SRC-41, "ZERO POINT RESET : Special Repair Requirement"](#).

>> Inspection End.

## ZERO POINT RESET

### ZERO POINT RESET : Description

INFOID:000000011537949

Zero point reset is an initializing procedure for the OCS (weight) sensors that must be performed using CONSULT when removing and installing passenger seat or servicing the OCS system. If zero point reset is not performed, the initialization is incomplete and OCS may not operate normally.

#### **NOTE:**

- When reinstalling the passenger seat, the initial value for the OCS sensors may change, and the OCS may not operate normally.
- When zero point reset is performed after removal and installation of passenger seat, CONSULT displays "complete".

### ZERO POINT RESET : Special Repair Requirement

INFOID:000000011537950

##### 1.PERFORM ZERO POINT RESET

1. Perform preliminary checks:

#### **NOTE:**

- Level the vehicle
- Minimize vibrations near the vehicle
- Remove any objects on passenger seat
- Do not touch the vehicle during zero point reset

2. Select START on ZERO POINT RESET from, WORK SUPPORT of "OCCUPANT DETECTION".
3. "Zero point reset" starts.

>> GO TO 2.

##### 2.CONFIRM RESET

1. Check that "Complete" is displayed on "Zero point reset status".

#### **CAUTION:**

- "Complete" may be displayed if the seat has been reinstalled, or "zero point reset" has already been performed.
- "Incomplete" may be displayed if a new seat is installed.
- Air bag warning lamp flashes in user mode if zero point reset is "incomplete".

Is zero point reset status "complete"?

- YES >> Print out "ZERO POINT RESET CURRENT STATUS" screen. Inspection end.  
NO >> Recheck the preliminary check items and perform zero point reset again.

# INTERMITTENT INCIDENT

< BASIC INSPECTION >

---

## INTERMITTENT INCIDENT

### Inspection Procedure

INFOID:000000011537951

### INTERMITTENT TROUBLE

An intermittent incident may have occurred in the past but is not being detected currently. This DTC will not be detected on SELF-DIAG [CURRENT], but may be viewed on SELF-DIAG [PAST] if the DTC has not been erased.

### Trouble Diagnosis with CONSULT

INFOID:000000011537952

### CHECK SRS REPAIR HISTORY

Refer to [SRC-17, "SRS History Check"](#).

# U1000 CAN COMM CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## DTC/CIRCUIT DIAGNOSIS

### U1000 CAN COMM CIRCUIT

#### DTC Description

INFOID:0000000011537953

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.

CAN Communication Signal Chart. Refer to [LAN-30, "CAN COMMUNICATION SYSTEM : CAN Communication Signal Chart"](#).

#### DTC LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
U1000-01	CAN COMM CIRCUIT [CAN communication circuit]	When air bag diagnosis sensor unit cannot communicate CAN communication signal continuously for 2 seconds or more.

#### POSSIBLE CAUSE

CAN communication system

#### FAIL-SAFE

—

#### Diagnosis Procedure

INFOID:0000000011537954

#### 1.PERFORM SELF DIAGNOSTIC

1. Turn power switch ON and wait for 2 seconds or more.
2. Check "SELF-DIAG [CAN]" in "special function" of "AIR BAG" using CONSULT.

#### Is DTC "U1000-01" displayed?

- YES >> Refer to [SRC-43, "DTC Description"](#).  
NO >> Refer to [GI-40, "Intermittent Incident"](#).

## U1010 CONTROL UNIT (CAN)

< DTC/CIRCUIT DIAGNOSIS >

### U1010 CONTROL UNIT (CAN)

#### DTC Description

INFOID:000000011537955

#### DTC LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
U1010-49	CONTROL UNIT (CAN) [Control unit (CAN)]	Air bag diagnosis sensor unit detected internal CAN communication circuit malfunction.

#### POSSIBLE CAUSE

Air bag diagnosis sensor unit

#### FAIL-SAFE

—

#### Diagnosis Procedure

INFOID:000000011537956

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

When DTC "U1010-49" is detected, replace air bag diagnosis sensor unit.

>> Replace air bag diagnosis sensor unit. Refer to [SR-28. "Removal and Installation"](#).

# B0001 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0001 DRIVER AIR BAG MODULE

### DTC Description

INFOID:0000000011537957

### DTC B0001 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

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0001-00	[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)
B0001-09	[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)
B0001-11	[GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)
B0001-12	[VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)
B0001-13	[OPEN]	Driver air bag module circuit is open (including the spiral cable)
B0001-1A	[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)

### POSSIBLE CAUSE

[B0001-00, B0001-09, B0001-1A]

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0001-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0001-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0001-13]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

### FAIL-SAFE

—

### 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-46, "Diagnosis Procedure"](#).

# B0001 DRIVER AIR BAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

---

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-46. "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-15. "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-46. "Diagnosis Procedure"](#).

NO >> Inspection End.

## Diagnosis Procedure

INFOID:0000000011537958

#### **WARNING:**

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

### 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 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.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 3

NO >> Replace the harness.

### 3.CHECK DTC

---

Perform each inspection according to the displayed DTC.

#### Which DTC is displayed?

[B0001-13]>>GO TO 4.

[B0001-12]>>GO TO 7.

[B0001-11]>>GO TO 5.

[B0001-00, B0001-09, B0001-1A]>> GO TO 6.

# B0001 DRIVER AIR BAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

### 4.CHECK SPIRAL CABLE CIRCUIT 1

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

Driver air bag module		Spiral cable		Continuity
Connector	Terminal	Connector	Terminal	
M54	10	M30	28	Yes
	11		30	

Is the inspection result normal?

YES >> GO TO 9.

NO >> Replace spiral cable. Refer to [SR-16, "Removal and Installation"](#).

### 5.CHECK SPIRAL CABLE CIRCUIT 2

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

Spiral cable		Ground	Continuity
Connector	Terminal		
M30	28		No
	30		

Is the inspection result normal?

YES >> GO TO 8.

NO >> Replace spiral cable. Refer to [SR-16, "Removal and Installation"](#).

### 6.CHECK SPIRAL CABLE CIRCUIT 3

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

Spiral cable		Continuity
Terminal		
28	30	No

Is the inspection result normal?

YES >> GO TO 8.

NO >> Replace spiral cable. Refer to [SR-16, "Removal and Installation"](#).

### 7.REPLACE SPIRAL CABLE

1. Replace spiral cable. Refer to [SR-16, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-45, "DTC Description"](#).

Is DTC detected?

YES >> GO TO 8.

NO >> Inspection End.

### 8.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-28, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-45, "DTC Description"](#).

Is DTC detected?

YES >> GO TO 9.

NO >> Inspection End.

### 9.REPLACE DRIVER AIR BAG MODULE

## B0001 DRIVER AIR BAG MODULE

### < DTC/CIRCUIT DIAGNOSIS >

---

1. Replace driver air bag module. Refer to [SR-12, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-45, "DTC Description"](#).

#### Is DTC detected?

- YES >> GO TO 1.  
NO >> Inspection End.



# B0002 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0002 DRIVER AIR BAG MODULE

### DTC Description

INFOID:000000011537959

### DTC 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 DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0002-00	[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)
B0002-09	[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)
B0002-11	[GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)
B0002-12	[VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)
B0002-13	[OPEN]	Driver air bag module circuit is open (including the spiral cable)
B0002-1A	[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)

### POSSIBLE CAUSE

[B0002-00, B0002-09, B0002-1A]

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0002-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0002-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0002-13]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

### FAIL-SAFE

—

### 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"](#).

# B0002 DRIVER AIR BAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

---

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

### 2.ERASE SELF-DIAG RESULT

---

Erase the DTC using CONSULT.

#### Can DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-50. "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-15. "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:0000000011537960

#### **WARNING:**

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

### 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 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.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 3

NO >> Replace the harness.

### 3.CHECK DTC

---

Perform each inspection according to the displayed DTC.

#### Which DTC is displayed?

[B0002-13]>>GO TO 4.

[B0002-12]>>GO TO 7.

[B0002-11]>>GO TO 5.

[B0002-00, B0002-09, B0002-1A]>> GO TO 6.

# B0002 DRIVER AIR BAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

### 4.CHECK SPIRAL CABLE CIRCUIT 1

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

Driver air bag module		Spiral cable		Continuity
Connector	Terminal	Connector	Terminal	
M55	9	M30	30	Yes
	12		29	

Is the inspection result normal?

YES >> GO TO 9.

NO >> Replace spiral cable. Refer to [SR-16, "Removal and Installation"](#).

### 5.CHECK SPIRAL CABLE CIRCUIT 2

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

Spiral cable		Ground	Continuity
Connector	Terminal		
M30	29		No
	30		

Is the inspection result normal?

YES >> GO TO 8.

NO >> Replace spiral cable. Refer to [SR-16, "Removal and Installation"](#).

### 6.CHECK SPIRAL CABLE CIRCUIT 3

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

Spiral cable		Continuity
Terminal		
29	30	No

Is the inspection result normal?

YES >> GO TO 8.

NO >> Replace spiral cable. Refer to [SR-16, "Removal and Installation"](#).

### 7.REPLACE SPIRAL CABLE

1. Replace spiral cable. Refer to [SR-16, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-49, "DTC Description"](#).

Is DTC detected?

YES >> GO TO 8.

NO >> Inspection End.

### 8.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-28, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-49, "DTC Description"](#).

Is DTC detected?

YES >> GO TO 9.

NO >> Inspection End.

### 9.REPLACE DRIVER AIR BAG MODULE

## B0002 DRIVER AIR BAG MODULE

### < DTC/CIRCUIT DIAGNOSIS >

---

1. Replace driver air bag module. Refer to [SR-12, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-49, "DTC Description"](#).

#### Is DTC detected?

- YES >> GO TO 1.  
NO >> Inspection End.

# B0010 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0010 PASSENGER AIR BAG MODULE

### Description

INFOID:000000011537961

### DTC B0010 PASSENGER AIR BAG MODULE

The passenger air bag module is dual stage and wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the passenger air bag module.

### PART LOCATION

Refer to [SRC-5, "Component Parts Location"](#).

### DTC Description

INFOID:000000011537962

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0010-09		[SHORT] Passenger air bag module circuits are shorted to each other
B0010-11	ASSIST A/B MODULE [Passenger Frontal Stage 1 Deployment Control (Subfault)]	[GND-SHORT] Passenger air bag module circuit is shorted to ground
B0010-12		[VB-SHORT] Passenger air bag module circuit is shorted to power supply circuit
B0010-13		[OPEN] Passenger air bag module circuit is open
B0010-1A		[SHORT] Passenger air bag module circuits are shorted to each other

### POSSIBLE CAUSE

[B0010-09, B0010-1A]

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0010-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0010-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0010-13]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

### FAIL-SAFE

—

### 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-54, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

#### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

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P

# B0010 PASSENGER AIR BAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

---

### Can the DTC be erased?

- YES >> Inspection End.  
NO >> Refer to [SRC-54, "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-15, "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-54, "Diagnosis Procedure"](#).  
NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000011537963

### 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-40, "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-40, "Intermittent Incident"](#).

# B0010 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

---

## 5. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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 6.

NO >> Clear DTC. Inspection End.

---

## 6. FRONT PASSENGER AIR BAG MODULE

---

1. Replace the front passenger air bag module. 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**

A  
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F  
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I  
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L  
M  
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O  
P

SRC

# B0011 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0011 PASSENGER AIR BAG MODULE

### Description

INFOID:000000011537964

#### DTC B0011 PASSENGER AIR BAG MODULE

The passenger air bag module is dual stage and wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the passenger air bag module.

#### PART LOCATION

Refer to [SRC-5, "Component Parts Location"](#).

### DTC Description

INFOID:000000011537965

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0011-09		[SHORT] Passenger air bag module circuits are shorted to each other
B0011-11	ASSIST A/B MODULE [Passenger Frontal Stage 2 Deployment Control (Subfault)]	[GND-SHORT] Passenger air bag module circuit is shorted to ground
B0011-12		[VB-SHORT] Passenger air bag module circuit is shorted to power supply circuit
B0011-13		[OPEN] Passenger air bag module circuit is open
B0011-1A		[SHORT] Passenger air bag module circuits are shorted to each other

#### POSSIBLE CAUSE

[B0011-09, B0011-1A]

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0011-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0011-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0011-13]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

#### FAIL-SAFE

—

#### 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-57, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

##### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.



# B0011 PASSENGER AIR BAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

### Can the DTC be erased?

- YES >> Inspection End.  
NO >> Refer to [SRC-57, "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-15, "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-57, "Diagnosis Procedure"](#).  
NO >> Inspection End.

## Diagnosis Procedure

INFOID:0000000011537966

### 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 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-40, "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-40, "Intermittent Incident"](#).

## B0011 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

---

### 5. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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 6.

NO >> Clear DTC. Inspection End.

### 6. FRONT PASSENGER AIR BAG MODULE

---

1. Replace the front passenger air bag module. 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**

# B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B0020 SIDE AIRBAG MODULE LH

### Description

INFOID:0000000011537967

### 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 Description

INFOID:0000000011537968

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0020-09	SIDE A/B MODULE LH [Left Side Airbag Deployment Control (Subfault)]	[SHORT] Side air bag module LH circuits are shorted to each other
B0020-11		[GND-SHORT] Side air bag module LH circuit is shorted to ground
B0020-12		[VB-SHORT] Side air bag module LH circuit is shorted to power supply circuit
B0020-13		[OPEN] Side air bag module LH circuit is open
B0020-1A		[SHORT] Side air bag module LH circuits are shorted to each other

### POSSIBLE CAUSE

[B0020-09, B0020-1A]

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[B0020-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[B0020-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[B0020-13]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

### FAIL-SAFE

—

### 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-60, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

#### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

# B0020 SIDE AIRBAG MODULE LH

## < DTC/CIRCUIT DIAGNOSIS >

---

### Can the DTC be erased?

- YES >> Inspection End.  
NO >> Refer to [SRC-60, "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-15, "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-60, "Diagnosis Procedure"](#).  
NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000011537969

### 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-40, "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-40, "Intermittent Incident"](#).

## B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

---

### 5. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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 6.

NO >> Clear DTC. Inspection End.

### 6. SIDE AIR BAG MODULE LH

---

1. Replace the side air bag module 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 7.

NO >> Clear DTC. Inspection End.

### 7. RELATED HARNESS

---

Replace the related harness.

>> **END**

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SRC

# B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B0021 SIDE CURTAIN AIR BAG MODULE LH

### Description

INFOID:000000011537970

#### 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 Description

INFOID:000000011537971

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	
B0021-09	CURTAIN A/B MODULE LH [Left Curtain Deployment Control 1 (Subfault)]	[SHORT]	Curtain air bag module LH circuits are shorted to each other
B0021-11		[GND-SHORT]	Curtain air bag module LH circuit is shorted to ground
B0021-12		[VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuit
B0021-13		[OPEN]	Curtain air bag module LH circuit is open
B0021-1A		[SHORT]	Curtain air bag module LH circuits are shorted to each other

#### POSSIBLE CAUSE

[B0021-09, B0021-1A]

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[B0021-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[B0021-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[B0021-13]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

#### FAIL-SAFE

—

#### 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-63, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

##### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

# B0021 SIDE CURTAIN AIR BAG MODULE LH

## < DTC/CIRCUIT DIAGNOSIS >

---

### Can the DTC be erased?

- YES >> Inspection End.  
NO >> Refer to [SRC-63, "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-15, "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-63, "Diagnosis Procedure"](#).  
NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000011537972

### 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-40, "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-40, "Intermittent Incident"](#).

### 5. AIR BAG DIAGNOSIS SENSOR UNIT

---

## B0021 SIDE CURTAIN AIR BAG MODULE LH

### < DTC/CIRCUIT DIAGNOSIS >

---

1. Replace the air bag diagnosis sensor unit. 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 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-22. "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**



# B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B0028 SIDE AIRBAG MODULE RH

### Description

INFOID:0000000011537973

### 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 Description

INFOID:0000000011537974

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0028-09	SIDE A/B MODULE RH [Right Side Airbag Deployment Control (Subfault)]	[SHORT] Side air bag module RH circuits are shorted to each other
B0028-11		[GND-SHORT] Side air bag module RH circuit is shorted to ground
B0028-12		[VB-SHORT] Side air bag module RH circuit is shorted to power supply circuit
B0028-13		[OPEN] Side air bag module RH circuit is open
B0028-1A		[SHORT] Side air bag module RH circuits are shorted to each other

### POSSIBLE CAUSE

SRC

[B0028-09, B0028-1A]

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[B0028-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[B0028-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[B0028-13]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

### FAIL-SAFE

—

### 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-66, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

#### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

# B0028 SIDE AIRBAG MODULE RH

## < DTC/CIRCUIT DIAGNOSIS >

---

### Can the DTC be erased?

- YES >> Inspection End.  
NO >> Refer to [SRC-66, "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-15, "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-66, "Diagnosis Procedure"](#).  
NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000011537975

### 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-40, "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-40, "Intermittent Incident"](#).

### 5. AIR BAG DIAGNOSIS SENSOR UNIT

---

## B0028 SIDE AIRBAG MODULE RH

### < DTC/CIRCUIT DIAGNOSIS >

---

1. Replace the air bag diagnosis sensor unit. 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 6.  
NO >> Clear DTC. Inspection End.

### 6.SIDE AIR BAG MODULE RH

---

1. Replace the side air bag module 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 7.  
NO >> Clear DTC. Inspection End.

### 7.RELATED HARNESS

---

Replace the related harness.

>> **END**

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SRC

# B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B0029 SIDE CURTAIN AIR BAG MODULE RH

### Description

INFOID:000000011537976

#### 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 Description

INFOID:000000011537977

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0029-09	[SHORT]	Curtain air bag module RH circuits are shorted to each other
B0029-11	[GND-SHORT]	Curtain air bag module RH circuit is shorted to ground
B0029-12	[VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit
B0029-13	[OPEN]	Curtain air bag module RH circuit is open
B0029-1A	[SHORT]	Curtain air bag module RH circuits are shorted to each other

#### POSSIBLE CAUSE

[B0029-09, B0029-1A]

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[B0029-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[B0029-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[B0029-13]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

#### FAIL-SAFE

—

#### 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-69, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

##### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

# B0029 SIDE CURTAIN AIR BAG MODULE RH

## < DTC/CIRCUIT DIAGNOSIS >

### Can the DTC be erased?

- YES >> Inspection End.  
NO >> Refer to [SRC-69, "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-15, "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-69, "Diagnosis Procedure"](#).  
NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000011537978

### 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-40, "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-40, "Intermittent Incident"](#).

### 5. AIR BAG DIAGNOSIS SENSOR UNIT

## B0029 SIDE CURTAIN AIR BAG MODULE RH

### < DTC/CIRCUIT DIAGNOSIS >

---

1. Replace the air bag diagnosis sensor unit. 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 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-22, "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

< DTC/CIRCUIT DIAGNOSIS >

## B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

### Description

INFOID:0000000011537979

### 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 Description

INFOID:0000000011537980

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0091-11	[GND-SHORT]	B-pillar satellite sensor LH circuit is shorted to ground
B0091-23	[LOWER LIMIT ERR]	Lower limit value malfunction of B-pillar satellite sensor LH
B0091-24	[UPPER LIMIT ERR]	Upper limit value malfunction of B-pillar satellite sensor LH
B0091-25	[SELF-DIAG ERR]	Diagnosis malfunction of B-pillar satellite sensor LH
B0091-28	[OFFSET ERR]	Offset malfunction of B-pillar satellite sensor LH
B0091-81	[COMM ERR]	Communication malfunction of B-pillar satellite sensor LH
B0091-86	[UNMATCH]	B-pillar satellite sensor LH is out of the specified specification
B0091-88	[OPEN]	B-pillar satellite sensor LH circuit is open
B0091-93	[RESET]	Reset malfunction of B-pillar satellite sensor LH

### POSSIBLE CAUSE

[B0091-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of B-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0091-23, B0091-24, B0091-25, B0091-28]

- Internal malfunction of B-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0091-81, B0091-93]

- Connection malfunction of harness or connector
- Internal malfunction of B-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0091-86]

- Air bag diagnosis sensor unit and B-pillar satellite sensor LH is different from the part specified

[B0091-88]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of B-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

### FAIL-SAFE

—

### DTC CONFIRMATION PROCEDURE (With CONSULT)

#### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.

# B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

## < DTC/CIRCUIT DIAGNOSIS >

---

2. Check for DTC using CONSULT.

### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-72. "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-72. "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-15. "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-72. "Diagnosis Procedure"](#).

NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000011537981

### 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 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-40. "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

---



## B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

### < DTC/CIRCUIT DIAGNOSIS >

---

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-40. "Intermittent Incident"](#).

### 5.FRONT SIDE AIR BAG SATELLITE SENSOR LH

---

1. Replace front side air bag satellite sensor LH. 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.AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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**

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SRC

# B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

## B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

### Description

INFOID:000000011537982

#### 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 Description

INFOID:000000011537983

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0092-11	C-PILLAR SAT SEN LH [Left Side Restraints Sensor 1 (Subfault)]	[GND-SHORT] C-pillar satellite sensor LH circuit is shorted to ground
B0092-23		[LOWER LIMIT ERR] Lower limit value malfunction of C-pillar satellite sensor LH
B0092-24		[UPPER LIMIT ERR] Upper limit value malfunction of C-pillar satellite sensor LH
B0092-25		[SELF-DIAG ERR] Diagnosis malfunction of C-pillar satellite sensor LH
B0092-28		[OFFSET ERR] Offset malfunction of C-pillar satellite sensor LH
B0092-81		[COMM ERR] Communication malfunction of C-pillar satellite sensor LH
B0092-86		[UNMATCH] C-pillar satellite sensor LH is out of the specified specification
B0092-88		[OPEN] C-pillar satellite sensor LH circuit is open
B0092-93		[RESET] Reset malfunction of C-pillar satellite sensor LH

#### POSSIBLE CAUSE

[B0092-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0092-23, B0092-24, B0092-25, B0092-28]

- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0092-81, B0092-93]

- Connection malfunction of harness or connector
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0092-86]

- Air bag diagnosis sensor unit and C-pillar satellite sensor LH is different from the part specified

[B0092-88]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

#### FAIL-SAFE

—

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

1. Turn ignition switch ON.

# B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

## < DTC/CIRCUIT DIAGNOSIS >

2. Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-75. "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-75. "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-15. "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-75. "Diagnosis Procedure"](#).

NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000011537984

SRC

## 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 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-40. "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

## B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

### < DTC/CIRCUIT DIAGNOSIS >

---

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-40, "Intermittent Incident"](#).

### 5. REAR SIDE AIR BAG SATELLITE SENSOR LH

---

1. Replace rear side air bag satellite sensor LH. 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. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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**

# B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

## B0093 FRONT DOOR SATELLITE SENSOR LH

### Description

INFOID:000000011537985

### 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 Description

INFOID:000000011537986

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0093-11	[GND-SHORT]	Front door satellite sensor LH circuit is shorted to ground
B0093-23	[LOWER LIMIT ERR]	Lower limit value malfunction of front door satellite sensor LH
B0093-24	[UPPER LIMIT ERR]	Upper limit value malfunction of front door satellite sensor LH
B0093-25	[SELF-DIAG ERR]	Diagnosis malfunction of front door satellite sensor LH
B0093-28	[OFFSET ERR]	Offset malfunction of front door satellite sensor LH
B0093-81	[COMM ERR]	Communication malfunction of front door satellite sensor LH
B0093-93	[RESET]	Reset malfunction of front door satellite sensor LH
B0093-86	[UNMATCH]	Front door satellite sensor LH is out of the specified specification
B0093-88	[OPEN]	Front door satellite sensor LH circuit is open

### POSSIBLE CAUSE

[B0093-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of front door satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0093-23, B0093-24, B0093-25, B0093-28]

- Internal malfunction of front door satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0093-81, B0093-93]

- Connection malfunction of harness or connector
- Internal malfunction of front door satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0093-86]

- Air bag diagnosis sensor unit and front door satellite sensor LH is different from the part specified

[B0093-88]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of front door satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

### FAIL-SAFE

—

### DTC CONFIRMATION PROCEDURE (With CONSULT)

#### 1. CHECK SELF-DIAG RESULT

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

## B0093 FRONT DOOR SATELLITE SENSOR LH

### < DTC/CIRCUIT DIAGNOSIS >

---

#### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-78, "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-78, "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-15, "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-78, "Diagnosis Procedure"](#).

NO >> Inspection End.

### Diagnosis Procedure

INFOID:000000011537987

#### 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-40, "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.

## B0093 FRONT DOOR SATELLITE SENSOR LH

### < DTC/CIRCUIT DIAGNOSIS >

---

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

#### Is DTC still current?

- YES >> GO TO 5.  
NO >> Refer to [GI-40, "Intermittent Incident"](#).

### 5.FRONT DOOR SATELLITE SENSOR LH

---

1. Replace the front door satellite sensor LH. 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.AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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**

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SRC

# B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

## B0094 CRASH ZONE SENSOR

### Description

INFOID:000000011537988

#### 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 Description

INFOID:000000011537989

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0094-11	CRASH ZONE SENS [Center Frontal Restraints Sensor (Subfault)]	[GND-SHORT]
B0094-23		[LOWER LIMIT ERR]
B0094-24		[UPPER LIMIT ERR]
B0094-25		[SELF-DIAG ERR]
B0094-28		[OFFSET ERR]
B0094-81		[COMM ERR]
B0094-86		[UNMATCH]
B0094-88		[OPEN]
B0094-93		[RESET]

#### POSSIBLE CAUSE

[B0094-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

[B0094-23, B0094-24, B0094-25, B0094-28]

- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

[B0094-81, B0094-93]

- Connection malfunction of harness or connector
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

[B0094-86]

- Air bag diagnosis sensor unit and crash zone sensor is different from the part specified

[B0094-88]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

#### FAIL-SAFE

—

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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



# B0094 CRASH ZONE SENSOR

## < DTC/CIRCUIT DIAGNOSIS >

### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-81, "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-81, "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-15, "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-81, "Diagnosis Procedure"](#).

NO >> Inspection End.

## Diagnosis Procedure

INFOID:0000000011537990

### 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-40, "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.

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## B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

---

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

Is DTC still current?

- YES >> GO TO 5.  
NO >> Refer to [GI-40, "Intermittent Incident"](#).

### 5. CRASH ZONE SENSOR

---

1. Replace the crash zone sensor. Refer to [SR-25, "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-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**

# B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

## B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

### Description

INFOID:0000000011537991

#### 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 Description

INFOID:0000000011537992

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0096-11	[GND-SHORT]	B-pillar satellite sensor RH circuit is shorted to ground
B0096-23	[LOWER LIMIT ERR]	Lower limit value malfunction of B-pillar satellite sensor RH
B0096-24	[UPPER LIMIT ERR]	Upper limit value malfunction of B-pillar satellite sensor RH
B0096-25	[SELF-DIAG ERR]	Diagnosis malfunction of B-pillar satellite sensor RH
B0096-28	[OFFSET ERR]	Offset malfunction of B-pillar satellite sensor RH
B0096-81	[COMM ERR]	Communication malfunction of B-pillar satellite sensor RH
B0096-86	[UNMATCH]	B-pillar satellite sensor RH is out of the specified specification
B0096-88	[OPEN]	B-pillar satellite sensor RH circuit is open
B0096-93	[RESET]	Reset malfunction of B-pillar satellite sensor RH

#### POSSIBLE CAUSE

[B0096-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of B-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0096-23, B0096-24, B0096-25, B0096-28]

- Internal malfunction of B-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0096-81, B0096-93]

- Connection malfunction of harness or connector
- Internal malfunction of B-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0096-86]

- Air bag diagnosis sensor unit and B-pillar satellite sensor RH is different from the part specified

[B0096-88]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of B-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

#### FAIL-SAFE

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

1. Turn ignition switch ON.

## B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

### < DTC/CIRCUIT DIAGNOSIS >

---

2. Check for DTC using CONSULT.

#### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-84, "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-84, "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-15, "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-84, "Diagnosis Procedure"](#).

NO >> Inspection End.

### Diagnosis Procedure

INFOID:000000011537993

#### 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 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-40, "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

---

## B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

### < DTC/CIRCUIT DIAGNOSIS >

---

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-40. "Intermittent Incident"](#).

### 5.FRONT SIDE AIR BAG SATELLITE SENSOR RH

---

1. Replace front side air bag satellite sensor RH. 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.AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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**

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SRC

# B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

## B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

### Description

INFOID:000000011537994

#### 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 Description

INFOID:000000011537995

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0097-11	C-PILLAR SAT SEN RH [Right Frontal Restraints Sensor 1(Subfault)]	[GND-SHORT] C-pillar satellite sensor RH circuit is shorted to ground
B0097-23		[LOWER LIMIT ERR] Lower limit value malfunction of C-pillar satellite sensor RH
B0097-24		[UPPER LIMIT ERR] Upper limit value malfunction of C-pillar satellite sensor RH
B0097-25		[SELF-DIAG ERR] Diagnosis malfunction of C-pillar satellite sensor RH
B0097-28		[OFFSET ERR] Offset malfunction of C-pillar satellite sensor RH
B0097-81		[COMM ERR] Communication malfunction of C-pillar satellite sensor RH
B0097-86		[UNMATCH] C-pillar satellite sensor RH is out of the specified specification
B0097-88		[OPEN] C-pillar satellite sensor RH circuit is open
B0097-93		[RESET] Reset malfunction of C-pillar satellite sensor RH

### POSSIBLE CAUSE

[B0097-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of C-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0097-23, B0097-24, B0097-25, B0097-28]

- Internal malfunction of C-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0097-81, B0097-93]

- Connection malfunction of harness or connector
- Internal malfunction of C-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0097-86]

- Air bag diagnosis sensor unit and C-pillar satellite sensor RH is different from the part specified

[B0097-88]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of C-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

### FAIL-SAFE

—

### DTC CONFIRMATION PROCEDURE (With CONSULT)

#### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.

# B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

## < DTC/CIRCUIT DIAGNOSIS >

2. Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-87. "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-87. "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-15. "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-87. "Diagnosis Procedure"](#).

NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000011537996

SRC

## 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 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-40. "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

## B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

### < DTC/CIRCUIT DIAGNOSIS >

---

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-40. "Intermittent Incident"](#).

### 5. REAR SIDE AIR BAG SATELLITE SENSOR RH

---

1. Replace rear side air bag satellite sensor RH. 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. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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**



# B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

## B0098 FRONT DOOR SATELLITE SENSOR RH

### Description

INFOID:0000000011537997

### 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 Description

INFOID:0000000011537998

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0098-11	[GND-SHORT]	Front door satellite sensor RH circuit is shorted to ground
B0098-23	[LOWER LIMIT ERR]	Lower limit value malfunction of front door satellite sensor RH
B0098-24	[UPPER LIMIT ERR]	Upper limit value malfunction of front door satellite sensor RH
B0098-25	[SELF-DIAG ERR]	Diagnosis malfunction of front door satellite sensor RH
B0098-28	[OFFSET ERR]	Offset malfunction of front door satellite sensor RH
B0098-81	[COMM ERR]	Communication malfunction of front door satellite sensor RH
B0098-86	[UNMATCH]	Front door satellite sensor RH is out of the specified specification
B0098-88	[OPEN]	Front door satellite sensor RH circuit is open
B0098-93	[RESET]	Reset malfunction of front door satellite sensor RH

### POSSIBLE CAUSE

[B0098-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of front door satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0098-23, B0098-24, B0098-25, B0098-28]

- Internal malfunction of front door satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0098-81, B0098-93]

- Connection malfunction of harness or connector
- Internal malfunction of front door satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0098-86]

- Air bag diagnosis sensor unit and front door satellite sensor RH is different from the part specified

[B0098-88]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of front door satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

### FAIL-SAFE

—

### DTC CONFIRMATION PROCEDURE (With CONSULT)

#### 1. CHECK SELF-DIAG RESULT

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

## B0098 FRONT DOOR SATELLITE SENSOR RH

### < DTC/CIRCUIT DIAGNOSIS >

---

#### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-90, "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-90, "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-15, "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 [SRC-90, "Diagnosis Procedure"](#).

NO >> Inspection End.

### Diagnosis Procedure

INFOID:000000011537999

#### 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 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-40, "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

---

## B0098 FRONT DOOR SATELLITE SENSOR RH

### < DTC/CIRCUIT DIAGNOSIS >

---

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-40. "Intermittent Incident"](#).

### 5.FRONT DOOR SATELLITE SENSOR RH

---

1. Replace the front door satellite sensor RH. 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.AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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**

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

# B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

## B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

### Description

INFOID:000000011538000

#### 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 Description

INFOID:000000011952864

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B00A0-00	OCCUPANT SENS [Occupant Classification System (Subfault)]	[ABNORMAL VOLTAGE] Power supply malfunction of occupant detection sensor
B00A0-02		[UNIT MALFUNC] Malfunction of occupant detection sensor
B00A0-09		[UNIT MALFUNC] Malfunction of occupant detection sensor
B00A0-04	OCCUPANT SENS C/U [Occupant Classification System (Subfault)]	[UNIT MALFUNC] Malfunction of occupant detection sensor control unit
B00A0-83		[COMM ERR] <ul style="list-style-type: none"><li>Communication malfunction of occupant detection sensor control unit</li><li>Communication blank of occupant detection sensor control unit</li></ul>
B00A0-86		[COMM ERR] <ul style="list-style-type: none"><li>Communication malfunction of occupant detection sensor control unit</li><li>Communication blank of occupant detection sensor control unit</li></ul>
B00A0-87		[COMM ERR] <ul style="list-style-type: none"><li>Communication malfunction of occupant detection sensor control unit</li><li>Communication blank of occupant detection sensor control unit</li></ul>
B00A0-88		[COMM ERR] <ul style="list-style-type: none"><li>Communication malfunction of occupant detection sensor control unit</li><li>Communication blank of occupant detection sensor control unit</li></ul>
B00A0-8F		[UNDEFINED] Undefined status of occupant detection sensor control unit
B00A0-93		[RESET] Reset malfunction of occupant detection sensor control unit

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

- Turn ignition switch ON.
- Check the DTC using CONSULT.

##### Is the DTC detected?

YES (Current DTC)>>Refer to:

- B00A0-00, -02 or -09: [SRC-93, "Diagnosis Procedure \(B00A0-00, -02 or -09\)"](#)
- B00A0-04: [SRC-94, "Diagnosis Procedure \(B00A0-04\)"](#)
- B00A0-83, -86, -87, -88 or -8F: [SRC-95, "Diagnosis Procedure \(B00A0-83, -86, -87, -88 or -8F\)"](#)
- B00A0-93: [SRC-96, "Diagnosis Procedure \(B00A0-93\)"](#)

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

##### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

# 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-93, "Diagnosis Procedure \(B00A0-00, -02 or -09\)"](#)
- B00A0-04: [SRC-94, "Diagnosis Procedure \(B00A0-04\)"](#)
- B00A0-83, -86, -87, -88 or -8F: [SRC-95, "Diagnosis Procedure \(B00A0-83, -86, -87, -88 or -8F\)"](#)
- B00A0-93: [SRC-96, "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-15, "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-93, "Diagnosis Procedure \(B00A0-00, -02 or -09\)"](#)
- B00A0-04: [SRC-94, "Diagnosis Procedure \(B00A0-04\)"](#)
- B00A0-83, -86, -87, -88 or -8F: [SRC-95, "Diagnosis Procedure \(B00A0-83, -86, -87, -88 or -8F\)"](#)
- B00A0-93: [SRC-96, "Diagnosis Procedure \(B00A0-93\)"](#)

- NO >> Inspection End.

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

INFOID:000000011952865

### 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-41, "ZERO POINT RESET : Special Repair Requirement"](#).

### 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-41, "ZERO POINT RESET : Special Repair Requirement"](#).

### 4. AIR BAG DIAGNOSIS SENSOR UNIT

# B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

## < DTC/CIRCUIT DIAGNOSIS >

---

1. Replace the air bag diagnosis sensor unit. 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 5.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-41, "ZERO POINT RESET : Special Repair Requirement"](#).

## 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-41, "ZERO POINT RESET : Special Repair Requirement"](#).

## 6.REPLACE PASSENGER SEAT CUSHION FRAME

---

1. Replace the passenger seat cushion frame. Refer to [SE-36, "PASSENGER SIDE : Disassembly and Assembly"](#).
2. Clear DTC and perform zero point reset. Refer to [SRC-41, "ZERO POINT RESET : Special Repair Requirement"](#).

>> Inspection End.

## Diagnosis Procedure (B00A0-04)

INFOID:000000011952866

## 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-41, "ZERO POINT RESET : Special Repair Requirement"](#).

## 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.

# B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

## < DTC/CIRCUIT DIAGNOSIS >

NO >> Clear DTC and perform zero point reset. Refer to [SRC-41. "ZERO POINT RESET : Special Repair Requirement"](#).

### 4. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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 5.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-41. "ZERO POINT RESET : Special Repair Requirement"](#).

### 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-41. "ZERO POINT RESET : Special Repair Requirement"](#).

### 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-41. "ZERO POINT RESET : Special Repair Requirement"](#).

### 7. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to [SE-36. "PASSENGER SIDE : Disassembly and Assembly"](#).
2. Clear DTC and perform zero point reset. Refer to [SRC-41. "ZERO POINT RESET : Special Repair Requirement"](#).

>> Inspection End.

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

INFOID:000000011952867

### 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.

# B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

---

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-41, "ZERO POINT RESET : Special Repair Requirement"](#).

## 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-41, "ZERO POINT RESET : Special Repair Requirement"](#).

## 4. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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 5.

NO >> Clear DTC and perform zero point reset. Refer to [SRC-41, "ZERO POINT RESET : Special Repair Requirement"](#).

## 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-41, "ZERO POINT RESET : Special Repair Requirement"](#).

## 6. REPLACE PASSENGER SEAT CUSHION FRAME

---

1. Replace the passenger seat cushion frame. Refer to [SE-36, "PASSENGER SIDE : Disassembly and Assembly"](#).
2. Clear DTC and perform zero point reset. Refer to [SRC-41, "ZERO POINT RESET : Special Repair Requirement"](#).

>> Inspection End.

## Diagnosis Procedure (B00A0-93)

INFOID:0000000011952868

### 1. PERFORM ZERO POINT RESET

---

1. Perform zero point reset. Refer to [SRC-41, "ZERO POINT RESET : Special Repair Requirement"](#).
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



# B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

## < DTC/CIRCUIT DIAGNOSIS >

### 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-41, "ZERO POINT RESET : Special Repair Requirement"](#).

## 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-41, "ZERO POINT RESET : Special Repair Requirement"](#).

## 5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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 6.
- NO >> Clear DTC and perform zero point reset. Refer to [SRC-41, "ZERO POINT RESET : Special Repair Requirement"](#).

## 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-41, "ZERO POINT RESET : Special Repair Requirement"](#).

## 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-41, "ZERO POINT RESET : Special Repair Requirement"](#).

## 8.REPLACE PASSENGER SEAT CUSHION FRAME

## B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

---

1. Replace the passenger seat cushion frame. Refer to [SE-36. "PASSENGER SIDE : Disassembly and Assembly"](#).
2. Clear DTC and perform zero point reset. Refer to [SRC-41. "ZERO POINT RESET : Special Repair Requirement"](#).

>> Inspection End.

# B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

## B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

### Description

INFOID:000000011538003

### 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 Description

INFOID:000000011538004

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B00D5-04	PASS A/B INDCTR CKT [Restraint System Passenger Disable Indicator (Sub-fault)]	[UNIT MALFUNC] Malfunction in front passenger air bag OFF indicator circuit
B00D5-11		[GND-SHORT] Front passenger air bag OFF indicator circuit is shorted to ground
B00D5-12		[VB-SHORT] Front passenger air bag OFF indicator circuit is shorted to power supply circuit
B00D5-13		[OPEN] Front passenger air bag OFF indicator circuit is open
B00D5-15		[PWE-SHORT/OPEN] Front passenger air bag OFF indicator circuit is open or shorted to power supply circuit

### POSSIBLE CAUSE

[B00D5-04]

- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

[B00D5-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

[B00D5-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

[B00D5-13]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

[B00D5-15]

- Connection malfunction or short circuit to power supply of harness and connector
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

### FAIL-SAFE

—

### DTC CONFIRMATION PROCEDURE (With CONSULT)

#### 1. CHECK SELF-DIAG RESULT

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

# B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

---

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-15, "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 [SRC-100, "Diagnosis Procedure"](#).

NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000011538005

## 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-40, "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.

## B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

### < DTC/CIRCUIT DIAGNOSIS >

---

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

#### Is DTC still current?

- YES >> GO TO 5.  
NO >> Refer to [GI-40, "Intermittent Incident"](#).

### 5. PASSENGER AIR BAG OFF INDICATOR

---

1. Replace the passenger air bag off indicator. Refer to [SR-37, "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-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**

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# B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS >

## B1428 SEAT BELT BUCKLE SWITCH LH

### Description

INFOID:000000011538006

#### 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 Description

INFOID:000000011538007

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1428-13	SEAT BELT BUCKLE SW LH CIRCUIT	[OPEN]	Seat belt buckle switch LH circuit is open.
B1428-12		[VB-SHORT]	Seat belt buckle switch LH circuit is shorted to a power supply circuit.
B1428-11		[GND-SHORT]	Seat belt buckle switch LH circuit is shorted to ground.
B1428-00		[UNDEFINED]	Seat belt buckle switch LH circuit is malfunctioning.

#### POSSIBLE CAUSE

[B1428-13]

- Connection malfunction or open circuit of harness or connector
- Internal malfunction of seat belt buckle switch LH

[B1428-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt buckle switch LH

[B1428-11]

- Connection malfunction or short circuit to ground of harness or connector
- Internal malfunction of seat belt buckle switch LH

[B1428-00]

- Internal malfunction of seat belt buckle switch LH

#### FAIL-SAFE

—

#### 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)

# B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS >

## 1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "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

INFOID:000000011538008

## 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 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-40, "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-40, "Intermittent Incident"](#).

## 5.SEAT BELT BUCKLE SWITCH LH

1. Replace the seat belt buckle switch LH. Refer to [SR-36, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

- YES >> GO TO 6.

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## B1428 SEAT BELT BUCKLE SWITCH LH

### < DTC/CIRCUIT DIAGNOSIS >

---

NO >> Clear DTC. Inspection End.

### 6. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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**



# B1429 SEAT BELT BUCKLE SWITCH RH

< DTC/CIRCUIT DIAGNOSIS >

## B1429 SEAT BELT BUCKLE SWITCH RH

### Description

INFOID:000000011538009

#### 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

INFOID:000000011538010

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B1429-13	[OPEN]	Seat belt buckle switch RH circuit is open.
B1429-12	[VB-SHORT]	Seat belt buckle switch RH circuit is shorted to a power supply circuit.
B1429-11	[GND-SHORT]	Seat belt buckle switch RH circuit is shorted to ground.
B1429-00	[UNDEFINED]	Seat belt buckle switch RH circuit is malfunctioning.

#### POSSIBLE CAUSE

[B1429-13]

- Connection malfunction or open circuit of harness or connector
- Internal malfunction of seat belt buckle switch RH

[B1429-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt buckle switch RH

[B1429-11]

- Connection malfunction or short circuit to ground of harness or connector
- Internal malfunction of seat belt buckle switch RH

[B1429-00]

- Internal malfunction of seat belt buckle switch 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-106, "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-106, "Diagnosis Procedure"](#).

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

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# B1429 SEAT BELT BUCKLE SWITCH RH

## < DTC/CIRCUIT DIAGNOSIS >

---

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "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-106, "Diagnosis Procedure"](#).  
NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000011538011

### 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 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-40, "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-40, "Intermittent Incident"](#).

### 5.SEAT BELT BUCKLE SWITCH RH

---

1. Replace the seat belt buckle switch RH. Refer to [SR-36, "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.

## B1429 SEAT BELT BUCKLE SWITCH RH

< DTC/CIRCUIT DIAGNOSIS >

---

### 6. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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

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# B1430, B1432 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

## B1430, B1432 SEAT BELT PRE-TENSIONER LH

### Description

INFOID:000000011538012

#### DTC B1430 AND B1432 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 Description

INFOID:000000011538013

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1430-09	PRE-TEN FRONT LH [front seat belt pre-tensioner squib left hand component failures (cross connection)]	[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other
B1430-11	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit short to GND)	[GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground
B1430-12	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit short to battery)	[VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit
B1430-13	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit)	[OPEN]	Seat belt pre-tensioner LH circuit is open
B1430-1A	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit resistance below threshold)	[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other
B1432-09	PRE-TEN FRONT LH 2 [front seat belt pre-tensioner squib left hand component failures (cross connection)]	[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other
B1432-11	PRE-TEN FRONT LH 2 (front seat belt pre-tensioner squib left hand circuit short to GND)	[GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground
B1432-12	PRE-TEN FRONT LH 2 (front seat belt pre-tensioner squib left hand circuit short to battery)	[VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit
B1432-13	PRE-TEN FRONT LH 2 (front seat belt pre-tensioner squib left hand circuit)	[OPEN]	Seat belt pre-tensioner LH circuit is open
B1432-1A	PRE-TEN FRONT LH 2 (front seat belt pre-tensioner squib left hand circuit resistance below threshold)	[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other

### POSSIBLE CAUSE

[B1430-09, B1430-1A]

# B1430, B1432 SEAT BELT PRE-TENSIONER LH

## < DTC/CIRCUIT DIAGNOSIS >

---

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

A

[B1430-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

B

[B1430-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

C

[B1430-13]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

D

E

[B1432-09, B1432-1A]

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

F

G

[B1432-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

SRC

[B1432-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

I

J

[B1432-13]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

K

## FAIL-SAFE

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L

## 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.

# B1430, B1432 SEAT BELT PRE-TENSIONER LH

## < DTC/CIRCUIT DIAGNOSIS >

---

2. Check the air bag warning lamp status. Refer to [SRC-15, "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

INFOID:000000011538014

### 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-40, "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-40, "Intermittent Incident"](#).

### 5. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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 6.

NO >> Clear DTC. Inspection End.

### 6. SEAT BELT PRE-TENSIONER LH

---

## B1430, B1432 SEAT BELT PRE-TENSIONER LH

### < DTC/CIRCUIT DIAGNOSIS >

---

1. Replace the seat belt pre-tensioner LH. Refer to [SR-35. "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**

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SRC

# B1431, B1433 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

## B1431, B1433 SEAT BELT PRE-TENSIONER RH

### Description

INFOID:000000011538015

#### DTC B1431 AND 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 Description

INFOID:000000011538016

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1431-09	PRE-TEN FRONT RH [front seat belt pre-tensioner squib right hand component failures (cross connection)]	[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other
B1431-11	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit short to GND)	[GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground
B1431-12	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit short to battery)	[VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit
B1431-13	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit)	[OPEN]	Seat belt pre-tensioner RH circuit is open
B1431-1A	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit resistance below threshold)	[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other
B1433-09	PRE-TEN FRONT RH 2 [front seat belt pre-tensioner squib right hand component failures (cross connection)]	[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other
B1433-11	PRE-TEN FRONT RH 2 (front seat belt pre-tensioner squib right hand circuit short to GND)	[GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground
B1433-12	PRE-TEN FRONT RH 2 (front seat belt pre-tensioner squib right hand circuit short to battery)	[VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit
B1433-13	PRE-TEN FRONT RH 2 (front seat belt pre-tensioner squib right hand circuit)	[OPEN]	Seat belt pre-tensioner RH circuit is open
B1433-1A	PRE-TEN FRONT RH 2 (front seat belt pre-tensioner squib right hand circuit resistance below threshold)	[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other

### POSSIBLE CAUSE

[B1431-09, B1431-1A]



# B1431, B1433 SEAT BELT PRE-TENSIONER RH

## < DTC/CIRCUIT DIAGNOSIS >

---

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

A

[B1431-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

B

[B1431-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

C

[B1431-13]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

D

E

[B1433-09, B1433-1-1A]

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

F

G

[B1433-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

SRC

[B1433-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

I

J

[B1433-13]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

K

## FAIL-SAFE

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L

## 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?

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N

YES (Current DTC)>>Refer to [SRC-114. "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

O

### 2. ERASE SELF-DIAG RESULT

---

Erase the DTC using CONSULT.

#### Can the DTC be erased?

P

YES >> Inspection End.

NO >> Refer to [SRC-114. "Diagnosis Procedure"](#).

## DTC CONFIRMATION PROCEDURE (Without CONSULT)

### 1. CHECK SELF-DIAG RESULT

---

1. Turn ignition switch ON.

# B1431, B1433 SEAT BELT PRE-TENSIONER RH

## < DTC/CIRCUIT DIAGNOSIS >

---

2. Check the air bag warning lamp status. Refer to [SRC-15, "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-114, "Diagnosis Procedure"](#).

NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000011538017

### 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-40, "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-40, "Intermittent Incident"](#).

### 5. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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 6.

NO >> Clear DTC. Inspection End.

### 6. SEAT BELT PRE-TENSIONER RH

---

## B1431, B1433 SEAT BELT PRE-TENSIONER RH

### < DTC/CIRCUIT DIAGNOSIS >

---

1. Replace the seat belt pre-tensioner RH. Refer to [SR-35. "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

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Replace the related harness.

>> **END**

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# B142A IGN VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

## B142A IGN VOLTAGE

### Description

INFOID:000000011538018

#### 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 Description

INFOID:000000011538019

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B142A-16	IGNITION VOLTAGE (Ignition voltage low)	[VB-LOW]	Power supply malfunction (low voltage) of air bag diagnosis sensor unit
B142A-17	IGNITION VOLTAGE (Ignition voltage high)	[VB-HIGH]	Power supply malfunction (high voltage) of air bag diagnosis sensor unit

#### POSSIBLE CAUSE

[B142A-16]

- Malfunction of battery voltage (low voltage)
- Connection malfunction of harness or connector
- Internal malfunction of air bag diagnosis sensor unit

[B142A-17]

- Malfunction of battery voltage (high voltage)
- Connection malfunction of harness or connector
- Internal malfunction of air bag diagnosis sensor unit

#### FAIL-SAFE

—

#### 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-117, "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-117, "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-15, "On Board Diagnosis Function"](#).

#### NOTE:

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

# B142A IGN VOLTAGE

## < DTC/CIRCUIT DIAGNOSIS >

### Is the DTC detected?

- YES >> Refer to [SRC-117, "Diagnosis Procedure"](#).  
NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000011538020

### 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-40, "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-40, "Intermittent Incident"](#).

### 5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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 6.  
NO >> Clear DTC. Inspection End.

### 6.RELATED HARNESS

Replace the related harness.

>> **END**

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# B142X COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

## B142X COLLISION DETECTION

### Description

INFOID:000000011538021

#### DTC B1421, B1422 B1425 and B1426 COLLISION DETECTION

The air bag diagnosis sensor unit will set this DTC if it has detected a collision or rollover 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 Description

INFOID:000000011538022

### DTC DETECTION LOGIC

DTC	CONSULT screen items	DTC detecting condition
B1421-00	FRONTAL COLLISION DETECTION	Frontal collision detected. Driver and/or front passenger air bag modules are deployed.
B1422-00	SIDE COLLISION DETECTION	Side collision detected. Curtain air bag module and seat belt pre-tensioner are deployed.
B1425-00	REAR COLLISION DETECTION	Rear collision detected.
B1426-00	AIR BAG DISPOSAL COMPLETION	Collision detected. Air bag diagnosis sensor unit had not yet been replaced following repairs.

### POSSIBLE CAUSE

[B1421-00]

- Malfunction of frontal-related parts
- Internal malfunction of air bag diagnosis sensor unit

[B1422-00]

- Malfunction of side-related parts
- Internal malfunction of air bag diagnosis sensor unit

[B1425-00]

- Malfunction of rear-related parts
- Internal malfunction of air bag diagnosis sensor unit

[B1426-00]

- Internal malfunction of air bag diagnosis sensor unit

### FAIL-SAFE

—

### 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-119, "Diagnosis Procedure"](#).
- NO >> Inspection End.

# B142X COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

## Diagnosis Procedure

INFOID:000000011538023

Refer to [SR-5. "For Frontal Collision"](#) or [SR-7. "For Side and Rollover Collision"](#).

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# B14XX AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

## B14XX AIR BAG DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000011538024

#### DTC B14XX 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 B14XX format, but will not match any other SRS diagnostic trouble codes. Refer to [SRC-17, "CONSULT Function \(AIR BAG\)"](#).

#### PART LOCATION

Refer to [SRC-5, "Component Parts Location"](#).

### DTC Description

INFOID:000000011538025

#### DTC DETECTION LOGIC

DTC	CONSULT screen items	DTC detecting condition
B1400-00	CONTROL UNIT [UNIT MALFUNC]	Air bag diagnosis sensor unit is malfunctioning
B1401-00		
B1402-00		
B1403-00		
B1404-00		
B1405-00		
B1406-00		
B1407-00		
B1408-00		
B1409-00		
B1410-00		
B1411-00		
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B1415-00		
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B1417-00		
B1418-00		
B1419-00		
B1420-00		

#### POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

#### FAIL-SAFE

—

#### 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-121, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.



# B14XX AIR BAG DIAGNOSIS SENSOR UNIT

## < DTC/CIRCUIT DIAGNOSIS >

---

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-121, "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-15, "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-121, "Diagnosis Procedure"](#).

NO >> Inspection End.

## Diagnosis Procedure

INFOID:0000000011538026

### 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-40, "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?

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## B14XX AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

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YES >> GO TO 5.

NO >> Refer to [GI-40, "Intermittent Incident"](#).

### 5. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. 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 6.

NO >> Clear DTC. Inspection End.

### 6. RELATED HARNESS

---

Replace the related harness.

>> **END**

# SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

## SYMPTOM DIAGNOSIS

### SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

#### Diagnosis Procedure

INFOID:0000000011538027

#### 1. CHECK AIR BAG MODULE AND SEAT BELT PRE-TENSIONER

Check the deployment of air bag module.

Is air bag module deployed?

YES >> Replace the malfunctioning parts.

NO >> GO TO 2.

#### 2. CHECK AIR BAG FUSE

Check 10 A fuse [No.3, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace the fuse.

#### 3. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace harness connectors.

#### 4. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace wiring harness.

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

1. Replace air bag diagnosis sensor unit. Refer to [SR-28, "Removal and Installation"](#).

2. Check air bag warning lamp operation.

Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 6.

#### 6. REPLACE COMBINATION METER

1. Replace combination meter. Refer to [MWI-77, "Removal and Installation"](#).

2. Check air bag warning lamp operation.

Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 1.

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# SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

---

## SRS AIR BAG WARNING LAMP DOES NOT TURN ON

### Diagnosis Procedure

INFOID:000000011538028

#### 1. CHECK COMBINATION METER POWER SUPPLY AND GROUND CIRCUIT

---

Check combination meter unit power supply and ground circuit. Refer to [MWI-52, "COMBINATION METER : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2. CHECK HARNESS CONNECTOR

---

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace harness connectors.

#### 3. CHECK WIRING HARNESS

---

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace wiring harness.

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

---

Disconnect air bag diagnosis sensor unit connector and turn ignition switch ON.

Does air bag warning lamp turn ON?

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-28, "Removal and Installation"](#).

NO >> Replace combination meter. Refer to [MWI-77, "Removal and Installation"](#).

# SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

## SEAT BELT WARNING SYSTEM

### Seat Belt Warning System Does Not Function

INFOID:000000011538029

#### 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. 8, 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-25, "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-12, "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-28, "Removal and Installation"](#).

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# A/B WARNING LAMP IS OFF, PASS A/B INDCTR LAMP TURNS ON INTERMIT

< SYMPTOM DIAGNOSIS >

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## A/B WARNING LAMP IS OFF, PASS A/B INDCTR LAMP TURNS ON INTERMIT

### Description

INFOID:000000011952875

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

INFOID:000000011952876

#### 1. REPLACE OCS SENSORS

---

1. Replace the OCS sensors. Refer to [SR-30, "Removal and Installation"](#).
2. Perform zero point reset. Refer to [SRC-41, "ZERO POINT RESET : Special Repair Requirement"](#).

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-36, "PASSENGER SIDE : Disassembly and Assembly"](#).
2. Perform zero point reset. Refer to [SRC-41, "ZERO POINT RESET : Special Repair Requirement"](#).

>> Inspection End.

# SEAT BELT INDCTR LAMP IS ON, PASS AIR BAG INDCTR IS ON OR OFF

< SYMPTOM DIAGNOSIS >

## SEAT BELT INDCTR LAMP IS ON, PASS AIR BAG INDCTR IS ON OR OFF

### Description

INFOID:000000011952877

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

INFOID:000000011952878

#### 1. REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to [SR-30, "Removal and Installation"](#).
2. Perform zero point reset. Refer to [SRC-41, "ZERO POINT RESET : Special Repair Requirement"](#).

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-36, "PASSENGER SIDE : Disassembly and Assembly"](#).
2. Perform zero point reset. Refer to [SRC-41, "ZERO POINT RESET : Special Repair Requirement"](#).

>> Inspection End.

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