

# 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:000000008720673

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 3 minutes before performing any service.

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

INFOID:000000008659110

- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect both battery cables and wait at least 3 minutes.  
For approximately 3 minutes after the cables are removed, it is still possible for the air bag and seat belt pretensioner to deploy. Therefore, do not work on any SRS connectors or wires until at least 3 minutes have passed.
- The air bag diagnosis sensor unit must always be installed with the arrow mark "←" pointing toward the front of the vehicle for proper operation. Also check air bag diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned with the neutral position since its rotations are limited. Do not attempt to turn steering wheel or column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper function after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.

# COMPONENT PARTS

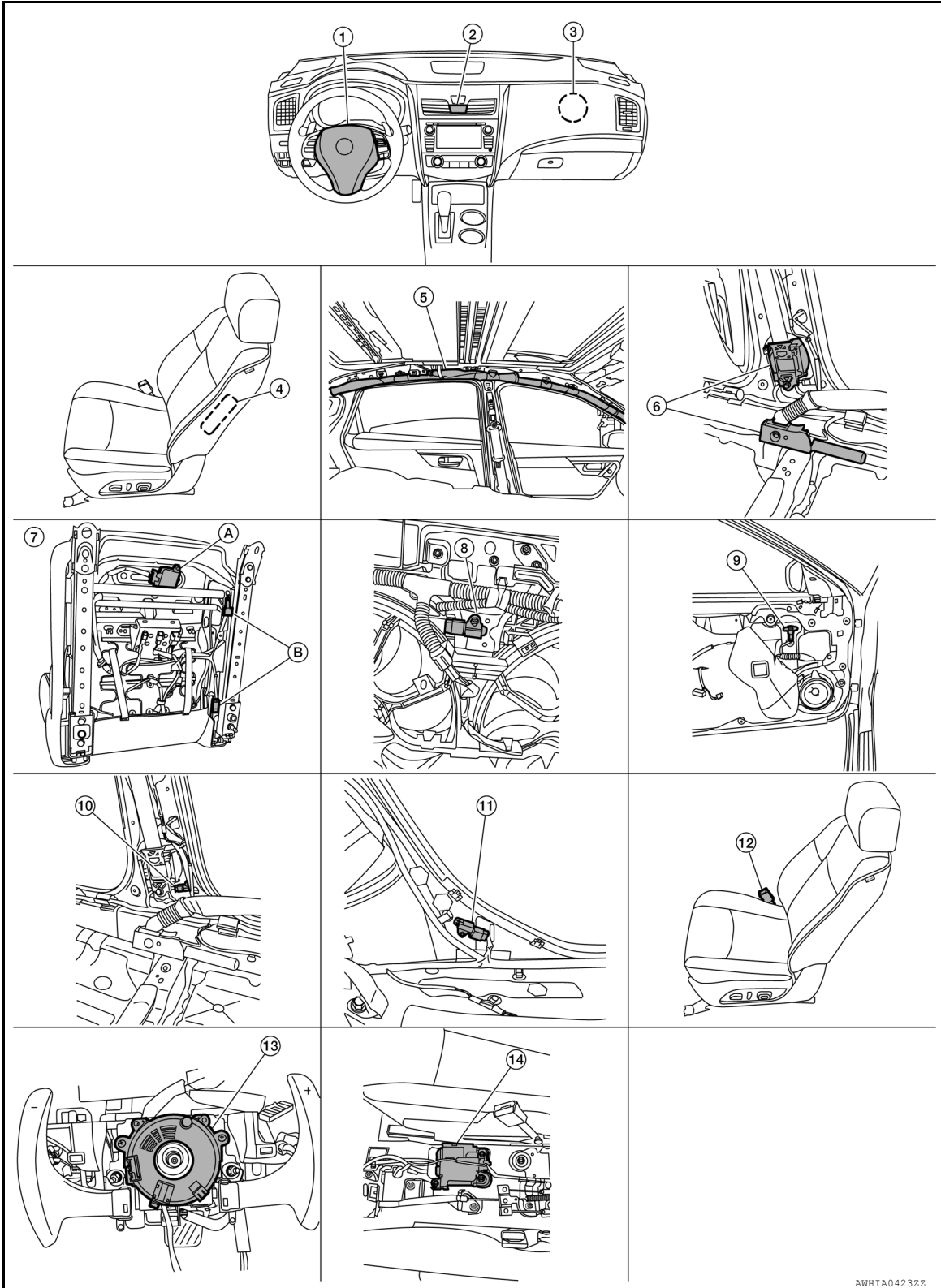
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## SYSTEM DESCRIPTION

### COMPONENT PARTS

#### Component Parts Location

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# COMPONENT PARTS

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

## Component Description

INFOID:000000008659112

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 (if equipped)	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 (if equipped)	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 (if equipped) 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.

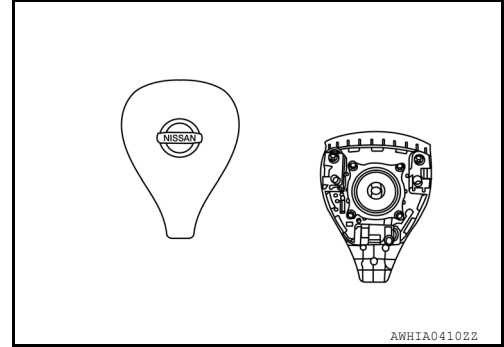
# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

### Driver Air Bag Module

INFOID:000000008659113

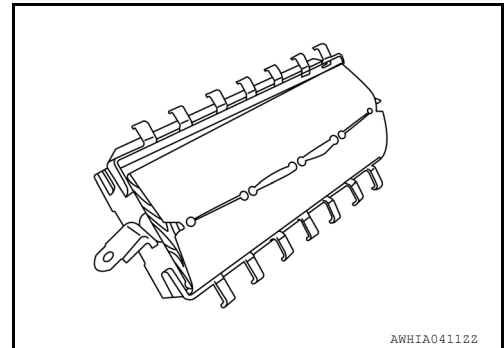
The driver air bag module is dual stage (US/CAN models) or single stage (MEX models) and located in the steering wheel assembly. It operates with the SRS system in a frontal collision exceeding a specified level.



### Front Passenger Air Bag Module

INFOID:000000008659114

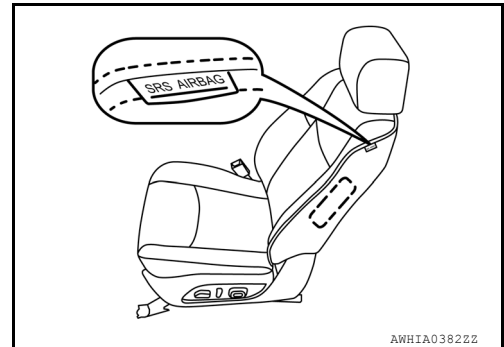
The front passenger air bag module is dual stage (US/CAN models) or single stage (MEX models) and is located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to [SRC-11, "SRS AIR BAG SYSTEM : System Description"](#) for more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



### Front Side Air Bag Module

INFOID:000000008659115

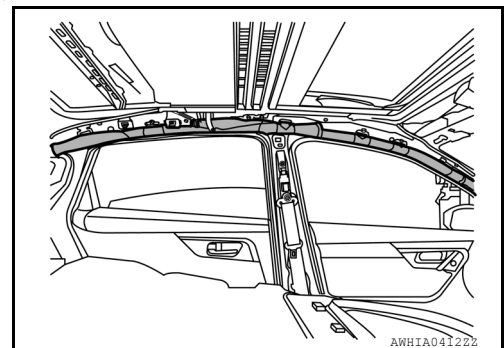
Front side air bag modules are built into the front seatback assemblies. Vehicles with side air bags are equipped with labels as shown.



### Side Curtain Air Bag Module

INFOID:000000008659116

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 >

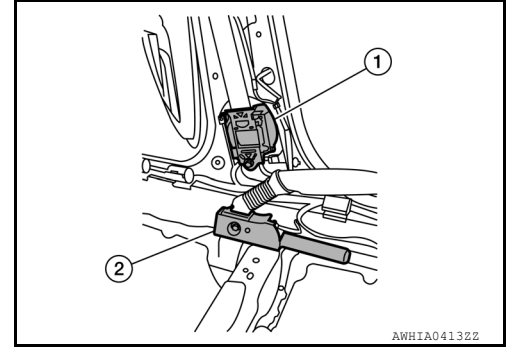
### Front Seat Belt Pre-tensioner

INFOID:000000008659117

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.

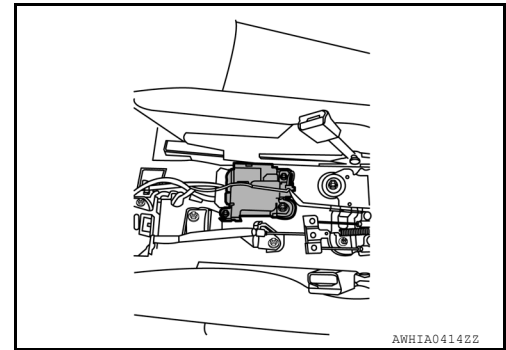
When passengers in a vehicle are thrown forward in a collision and the restraining force of the seat belt exceeds a specified level, the load limiter permits the specified extension of the seat belt by the twisting of the ELR shaft, and a relaxation of the chest-area seat belt web tension while maintaining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



### Air Bag Diagnosis Sensor Unit

INFOID:000000008659118

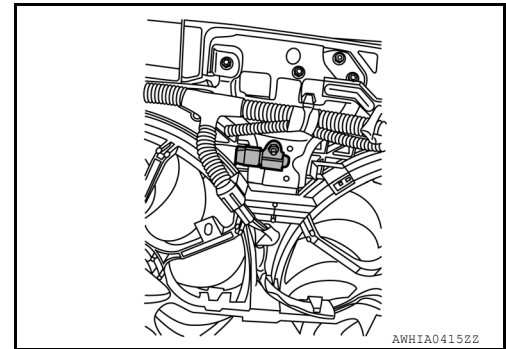
The air bag diagnosis sensor unit is located under the center console assembly. The air bag diagnosis sensor unit receives signals from multiple SRS sensors and controls the deployment of the air bags. The deployment of the air bags depends on the type and severity of the collision. The air bag diagnosis 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:000000008659119

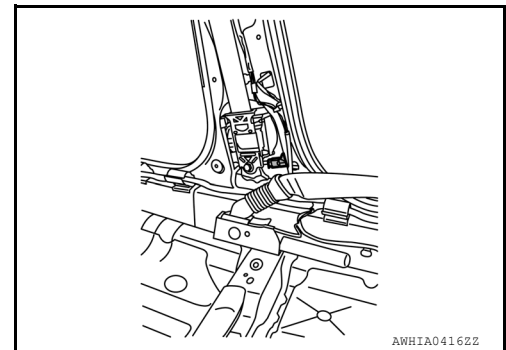
The crash zone sensor is located behind the radiator and underneath the front air duct. The crash zone sensor sends signals to the air bag diagnosis sensor unit during a frontal collision. This sensor may be identified by a yellow connector.



### Front Side Air Bag Satellite Sensor

INFOID:000000008659120

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.





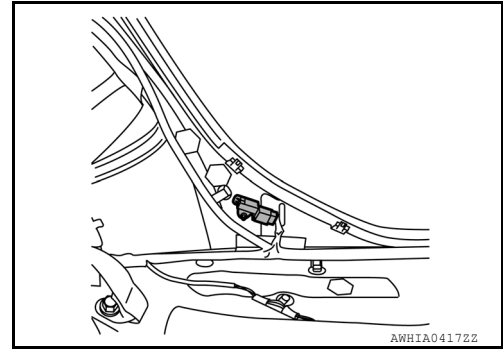
# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

### Rear Side Air Bag Satellite Sensor

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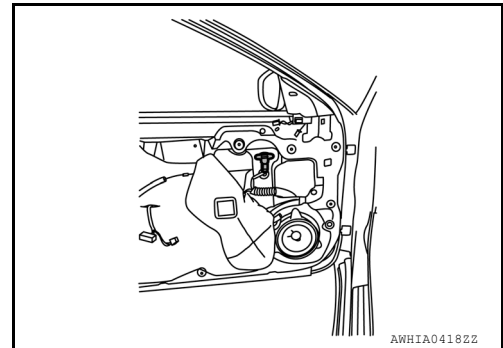
The rear side air bag satellite sensors are located behind the dash side lower finisher LH and RH. The rear side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



### Front Door Satellite Sensor

INFOID:000000008659122

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

INFOID:000000008659123

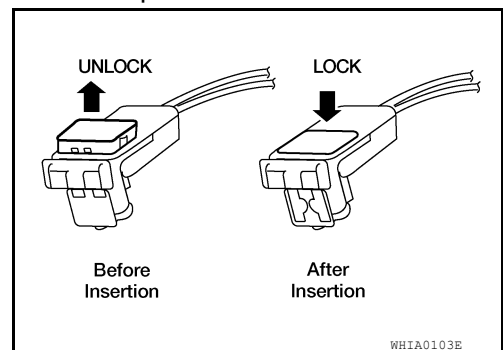
#### DIRECT CONNECT

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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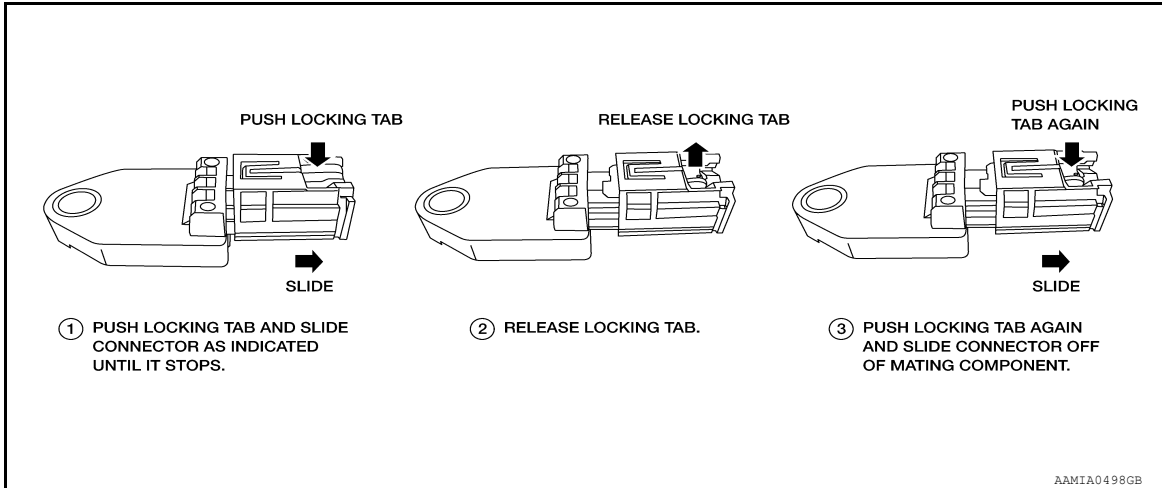
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# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

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



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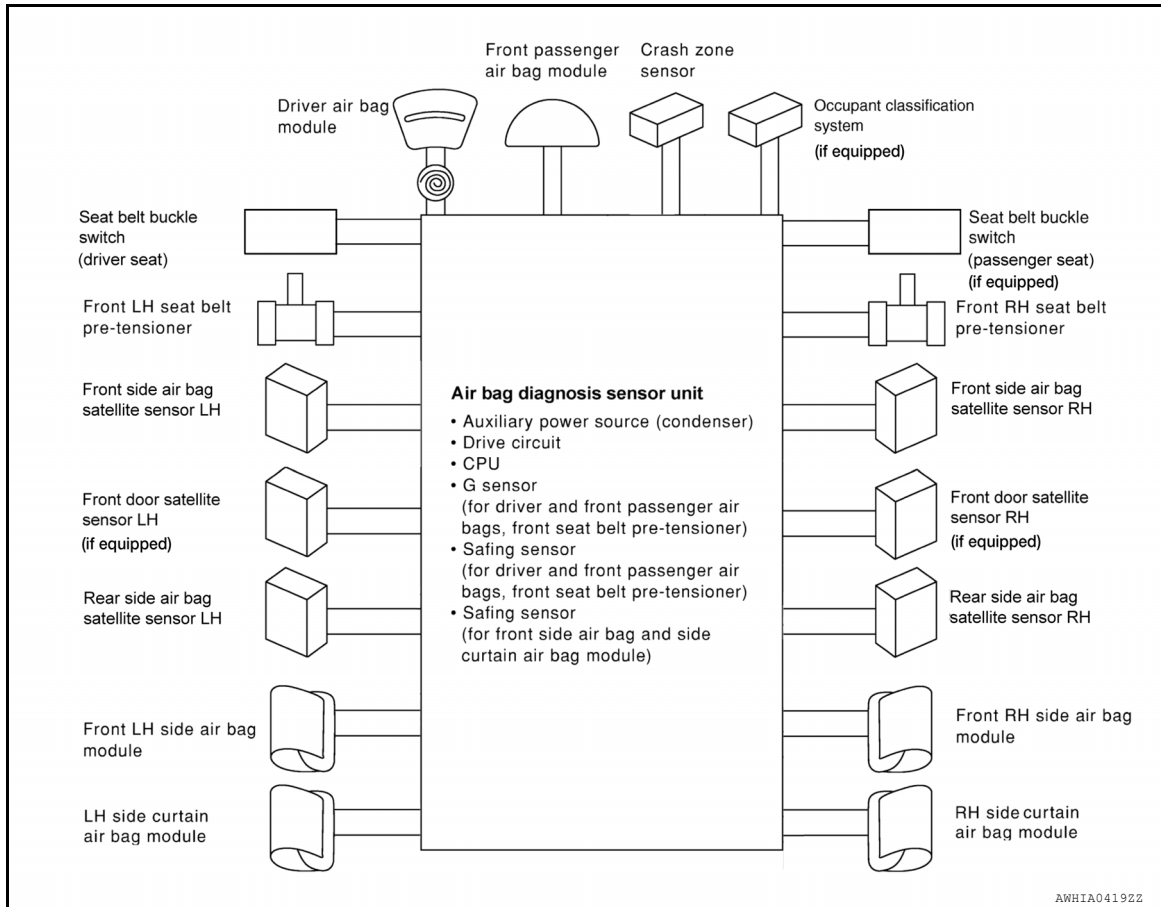
< SYSTEM DESCRIPTION >

## SYSTEM

### SRS AIR BAG SYSTEM

#### SRS AIR BAG SYSTEM : System Diagram

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#### SRS AIR BAG SYSTEM : System Description

INFOID:000000008659125

- 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

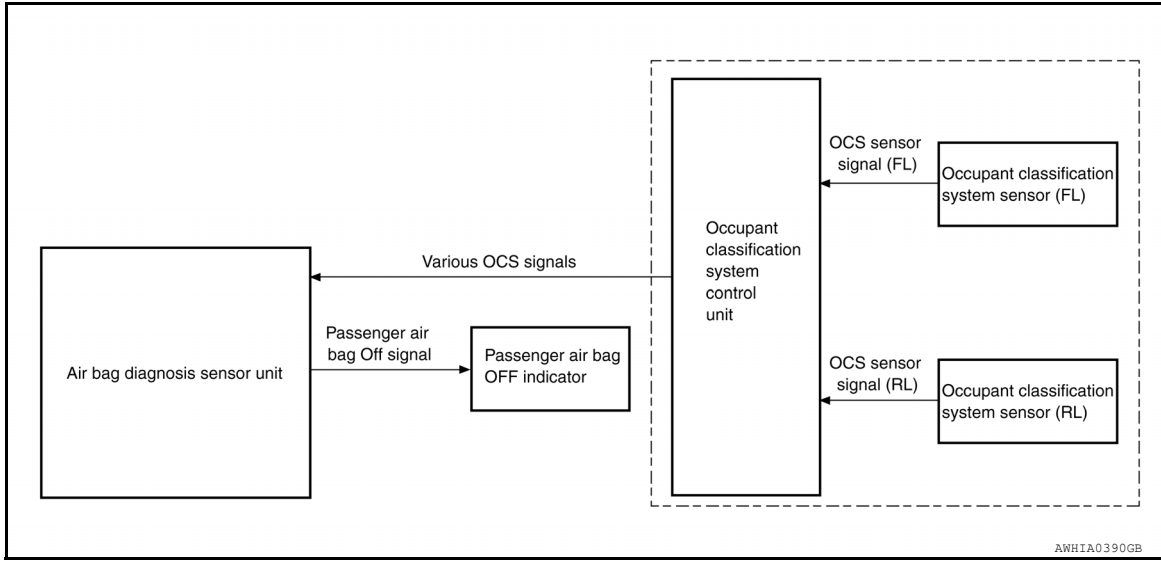
## OCCUPANT CLASSIFICATION SYSTEM

# SYSTEM

< SYSTEM DESCRIPTION >

## OCCUPANT CLASSIFICATION SYSTEM : System Diagram

INFOID:000000008659126



## OCCUPANT CLASSIFICATION SYSTEM : System Description

INFOID:000000008659127

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

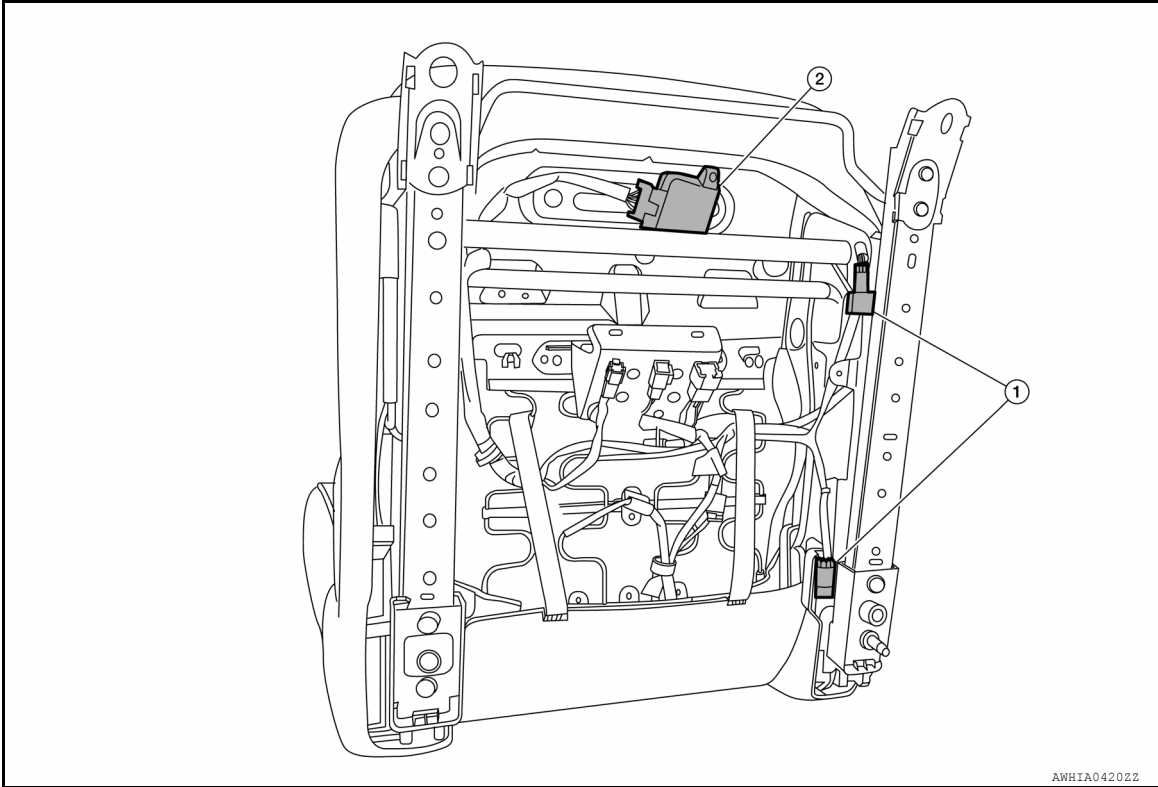
Front Passenger Seat (Condition)	PASS AIR BAG OFF Indicator (Status)	Passenger Air Bag Status (Readiness)	CONSULT Display
Seat occupied	OFF	Active (enabled)	ON
Seat occupied <sup>NOTE</sup>	ON	Deactivated (disabled)	OFF
Seat empty	OFF	Deactivated (disabled)	OFF

**NOTE:**

# SYSTEM

## < SYSTEM DESCRIPTION >

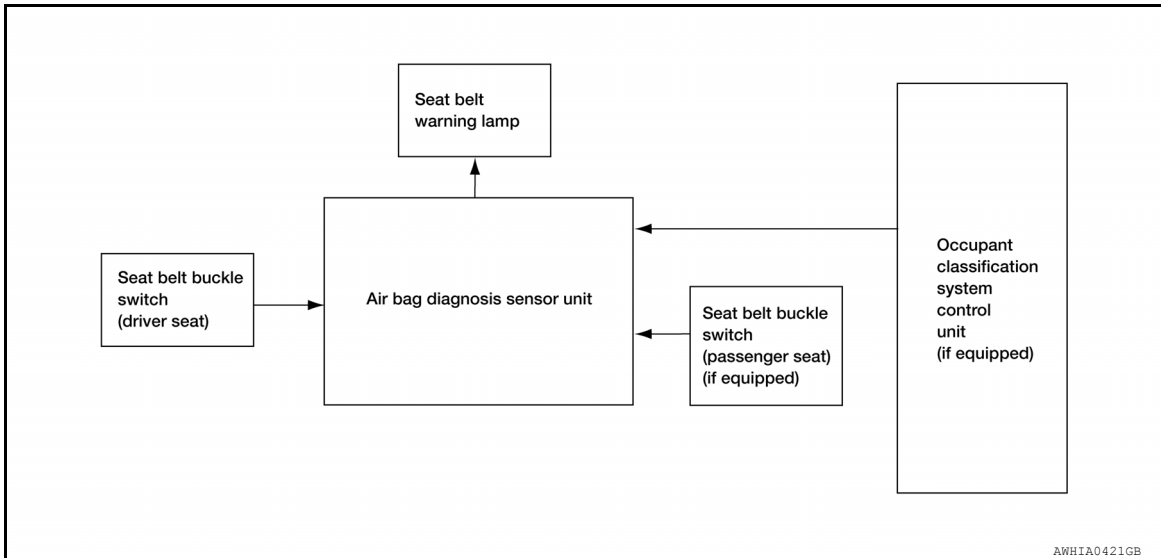
Passenger does not meet Occupant Classification System specifications for passenger air bag activation.



## SEAT BELT WARNING LAMP SYSTEM

### SEAT BELT WARNING LAMP SYSTEM : System Diagram

INFOID:000000008659128



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

SRC

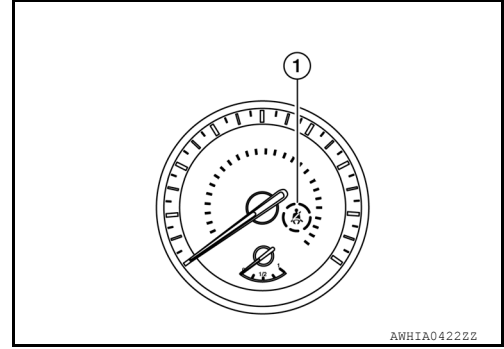
# SYSTEM

## < SYSTEM DESCRIPTION >

### SEAT BELT WARNING LAMP SYSTEM : System Description

INFOID:000000008659129

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 (US/CAN models only)

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	—	—	—	Off
				—	On
—	Unbuckled	—	—	On	

# DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

## DIAGNOSIS SYSTEM (AIR BAG)

### Diagnosis Description

INFOID:000000008659130

#### CAUTION:

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

### HOW TO PERFORM TROUBLE DIAGNOSES FOR QUICK AND ACCURATE REPAIR

1. Obtain information about the symptom.
  - WHAT - vehicle model
  - WHEN - date, frequencies
  - WHERE - road conditions
  - HOW - operating conditions, symptoms, passengers
2. Perform Preliminary Check.
  - Battery
  - Fuses
  - Harness connections

### DIAGNOSIS METHODS

SRS self-diagnosis results can be read by using the AIR BAG warning lamp or CONSULT.

The User Mode is for the customer (driver). This mode warns the driver of a system malfunction through the AIR BAG warning lamp.

The Diagnosis Mode is for the technician. This mode helps the technician locate the malfunctioning circuit or part.

	User Mode	Diagnosis Mode	Display type
AIR BAG warning lamp	X	X	ON/OFF
CONSULT	—	X	Monitoring

### SRS Operation Check

INFOID:000000008659131

#### USER MODE

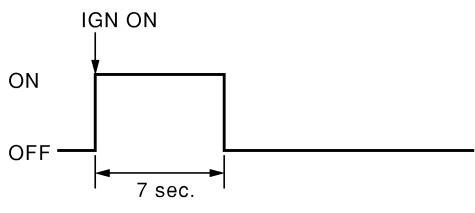
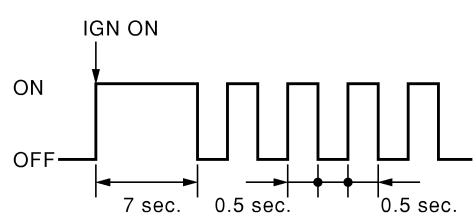
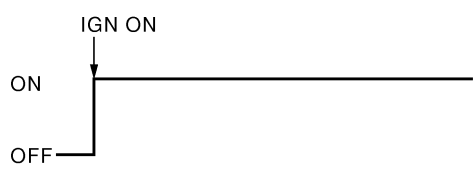
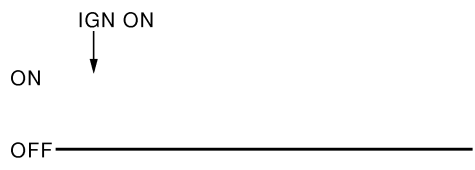
1. Turn the ignition switch from OFF to ON and check that the air bag warning lamp flashes.
2. Compare the flashing pattern with the examples in the table.



# DIAGNOSIS SYSTEM (AIR BAG)

## < SYSTEM DESCRIPTION >

### Air bag warning lamp flashing pattern (User Mode)

Warning lamp	SRS condition	Reference item
 <p style="text-align: center;">SHIA0011E</p>	<ul style="list-style-type: none"> <li>No malfunction is detected.</li> <li>No further action is necessary.</li> </ul>	—
 <p style="text-align: center;">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-42, "ZERO POINT RESET : Special Repair Requirement"</a>.</p>
 <p style="text-align: center;">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-107, "AIR BAG Warning Lamp Does Not Turn Off"</a>.</p>
 <p style="text-align: center;">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-106, "AIR BAG Warning Lamp Does Not Turn On"</a>.</p>

## Trouble Diagnosis with CONSULT

INFOID:000000008659132

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-43, "Inspection Procedure"](#).



# DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

## Trouble Diagnosis without CONSULT

INFOID:000000008659133

### 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:000000008659134

#### SRS HISTORY CHECK

1. Check repair history of the SRS. If no repairs have been made, perform [SRC-15, "SRS Operation Check"](#). 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:000000008659135

#### 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, "SRS Operation Check"](#).

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, "SRS Operation Check"](#).

### CONSULT Function (AIR BAG)

INFOID:000000008659136

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:000000008659137

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

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

## 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-42. "ZERO POINT RESET : Special Repair Requirement"</a> .

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

## ECU DIAGNOSIS INFORMATION

### DIAGNOSIS SENSOR UNIT

#### DTC Index

INFOID:000000008659138

#### DIAGNOSTIC CODE CHART

**NOTE:**

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

CONSULT name	DTC	DTC detecting condition	Repair order
DRIVER AIRBAG MODULE CIRCUIT [OPEN]	B0001	Driver air bag module circuit (DR1) is open (including the spiral cable).	Refer to <a href="#">SRC-45. "Diagnosis Procedure"</a> .
DRIVER AIRBAG MODULE CIRCUIT [VB-SHORT]		Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE CIRCUIT [GND-SHORT]		Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE CIRCUIT [SHORT]		Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [OPEN]	B0002	Driver air bag module circuit (DR2) is open (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [VB-SHORT]		Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [GND-SHORT]		Driver air bag module circuit (DR2) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [SHORT]		Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).	
ASSIST AIRBAG MODULE CIRCUIT [OPEN]	B0010	Front passenger air bag module circuit (AS1) is open.	Refer to <a href="#">SRC-48. "Diagnosis Procedure"</a> .
ASSIST AIRBAG MODULE CIRCUIT [VB-SHORT]		Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.	
ASSIST AIRBAG MODULE CIRCUIT [GND-SHORT]		Front passenger air bag module circuit (AS1) is shorted to ground.	
ASSIST AIRBAG MODULE CIRCUIT [SHORT]		Front passenger air bag module circuits (AS1) are shorted to each other.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [OPEN]	B0011	Front passenger air bag module circuit (AS2) is open.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [VB-SHORT]		Front passenger air bag module circuit (AS2) is shorted to a power supply circuit.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [GND-SHORT]		Front passenger air bag module circuit (AS2) is shorted to ground.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [SHORT]		Front passenger air bag module circuits (AS2) are shorted to each other.	

## DIAGNOSIS SENSOR UNIT

### < ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE AIRBAG MODULE LH CIRCUIT [OPEN]	B0020	Front LH side air bag module circuit is open.	Refer to <a href="#">SRC-51. "Diagnosis Procedure"</a> .
SIDE AIRBAG MODULE LH CIRCUIT [VB-SHORT]		Front LH side air bag module circuit is shorted to a power supply circuit.	
SIDE AIRBAG MODULE LH CIRCUIT [GND-SHORT]		Front LH side air bag module circuit is shorted to ground.	
SIDE AIRBAG MODULE LH CIRCUIT [SHORT]		Front LH side air bag module circuits are shorted to each other.	
SIDE AIRBAG MODULE RH CIRCUIT [OPEN]	B0028	Front RH side air bag module circuit is open.	Refer to <a href="#">SRC-54. "Diagnosis Procedure"</a> .
SIDE AIRBAG MODULE RH CIRCUIT [VB-SHORT]		Front RH side air bag module circuit is shorted to a power supply circuit.	
SIDE AIRBAG MODULE RH CIRCUIT [GND-SHORT]		Front RH side air bag module circuit is shorted to ground.	
SIDE AIRBAG MODULE RH CIRCUIT [SHORT]		Front RH side air bag module circuits are shorted to each other.	
CURTAIN AIRBAG MODULE LH CIRCUIT [OPEN]	B0021	LH side curtain air bag module circuit is open.	Refer to <a href="#">SRC-57. "Diagnosis Procedure"</a> .
CURTAIN AIRBAG MODULE LH CIRCUIT [VB-SHORT]		LH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN AIRBAG MODULE LH CIRCUIT [GND-SHORT]		LH side curtain air bag module circuit is shorted to ground.	
CURTAIN AIRBAG MODULE LH CIRCUIT [SHORT]		LH side curtain air bag module circuits are shorted to each other.	
CURTAIN AIRBAG MODULE RH CIRCUIT [OPEN]	B0029	RH side curtain air bag module circuit is open.	Refer to <a href="#">SRC-60. "Diagnosis Procedure"</a> .
CURTAIN AIRBAG MODULE RH CIRCUIT [VB-SHORT]		RH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN AIRBAG MODULE RH CIRCUIT [GND-SHORT]		RH side curtain air bag module circuit is shorted to ground.	
CURTAIN AIRBAG MODULE RH CIRCUIT [SHORT]		RH side curtain air bag module circuits are shorted to each other.	
FRONT PRE-TEN LH CIRCUIT [OPEN]	B1430	LH seat belt pre-tensioner circuit is open. (shoulder belt)	Refer to <a href="#">SRC-63. "Diagnosis Procedure"</a> .
FRONT PRE-TEN LH CIRCUIT [VB-SHORT]		LH seat belt pre-tensioner circuit is shorted to a power supply circuit. (shoulder belt)	
FRONT PRE-TEN LH CIRCUIT [GND-SHORT]		LH seat belt pre-tensioner circuit is shorted to ground. (shoulder belt)	
FRONT PRE-TEN LH CIRCUIT [SHORT]		LH seat belt pre-tensioner circuits are shorted to each other. (shoulder belt)	
FRONT PRE-TEN2 LH CIRCUIT [OPEN]	B1432	LH seat belt pre-tensioner circuit is open. (lap belt)	Refer to <a href="#">SRC-63. "Diagnosis Procedure"</a> .
FRONT PRE-TEN2 LH CIRCUIT [VB-SHORT]		LH seat belt pre-tensioner circuit is shorted to a power supply circuit. (lap belt)	
FRONT PRE-TEN2 LH CIRCUIT [GND-SHORT]		LH seat belt pre-tensioner circuit is shorted to ground. (lap belt)	
FRONT PRE-TEN2 LH CIRCUIT [SHORT]		LH seat belt pre-tensioner circuits are shorted to each other. (lap belt)	

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition	Repair order		
FRONT PRE-TEN RH CIRCUIT [OPEN]	B1431	RH seat belt pre-tensioner circuit is open. (shoulder belt)	Refer to <a href="#">SRC-66</a> . "Diagnosis Procedure".	A	
FRONT PRE-TEN RH CIRCUIT [VB-SHORT]		RH seat belt pre-tensioner circuit is shorted to a power supply circuit. (shoulder belt)		B	
FRONT PRE-TEN RH CIRCUIT [GND-SHORT]		RH seat belt pre-tensioner circuit is shorted to ground. (shoulder belt)		C	
FRONT PRE-TEN RH CIRCUIT [SHORT]		RH seat belt pre-tensioner circuits are shorted to each other. (shoulder belt)			
FRONT PRE-TEN2 RH CIRCUIT [OPEN]	B1433	RH seat belt pre-tensioner circuit is open. (lap belt)	Refer to <a href="#">SRC-66</a> . "Diagnosis Procedure".	D	
FRONT PRE-TEN2 RH CIRCUIT [VB-SHORT]		RH seat belt pre-tensioner circuit is shorted to a power supply circuit. (lap belt)		E	
FRONT PRE-TEN2 RH CIRCUIT [GND-SHORT]		RH seat belt pre-tensioner circuit is shorted to ground. (lap belt)			F
FRONT PRE-TEN2 RH CIRCUIT [SHORT]		RH seat belt pre-tensioner circuits are shorted to each other. (lap belt)			
SEAT BELT BUCKLE SW LH CIRCUIT [OPEN]	B1428	LH seat belt buckle switch circuit is open.	Refer to <a href="#">SRC-95</a> . "Diagnosis Procedure".	G	
SEAT BELT BUCKLE SW LH CIRCUIT [VB-SHORT]		LH seat belt buckle switch circuit is shorted to a power supply circuit.			
SEAT BELT BUCKLE SW LH CIRCUIT [GND-SHORT]		LH seat belt buckle switch circuit is shorted to ground.			
SEAT BELT BUCKLE SW LH CIRCUIT [UNDEFINED]		LH seat belt buckle switch circuit malfunction.			
SEAT BELT BUCKLE SW RH CIRCUIT [OPEN]	B1429	RH seat belt buckle switch circuit is open.	Refer to <a href="#">SRC-97</a> . "Diagnosis Procedure".	I	
SEAT BELT BUCKLE SW RH CIRCUIT [VB-SHORT]		RH seat belt buckle switch circuit is shorted to a power supply circuit.			J
SEAT BELT BUCKLE SW RH CIRCUIT [GND-SHORT]		RH seat belt buckle switch circuit is shorted to ground.			
SEAT BELT BUCKLE SW RH CIRCUIT [UNDEFINED]		RH seat belt buckle switch circuit malfunction.			
CRASH ZONE SENSOR [SENSOR FAIL]	B0094	Crash zone sensor has malfunctioned.	Refer to <a href="#">SRC-69</a> . "Diagnosis Procedure".	L	
CRASH ZONE SENSOR [COMM FAIL]		Crash zone sensor communication error.			
CRASH ZONE SENSOR [DISCONNECT]		Crash zone sensor is disconnected.			M
CRASH ZONE SENSOR [UNMATCH]		Crash zone sensor is out of specification.			
CRASH ZONE SENSOR [GND-SHORT]		Crash zone sensor circuit is shorted to ground.			
DOOR SATELLITE SENSOR LH [SENSOR FAIL]	B0093	Front door satellite sensor LH has malfunctioned.	Refer to <a href="#">SRC-84</a> . "Diagnosis Procedure".	O	
DOOR SATELLITE SENSOR LH [COMM FAIL]		Front door satellite sensor LH communication error.			P
DOOR SATELLITE SENSOR LH [DISCONNECT]		Front door satellite sensor LH is disconnected.			
DOOR SATELLITE SENSOR LH [UNMATCH]		Front door satellite sensor LH is out of specification.			
DOOR SATELLITE SENSOR LH [GND-SHORT]		Front door satellite sensor LH circuit is shorted to ground.			

SRC

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition	Repair order
DOOR SATELLITE SENSOR RH [SENSOR FAIL]	B0098	Front door satellite sensor RH has malfunctioned.	Refer to <a href="#">SRC-87. "Diagnosis Procedure"</a> .
DOOR SATELLITE SENSOR RH [COMM FAIL]		Front door satellite sensor RH communication error.	
DOOR SATELLITE SENSOR RH [DISCONNECT]		Front door satellite sensor RH is disconnected.	
DOOR SATELLITE SENSOR RH [UNMATCH]		Front door satellite sensor RH is out of specification.	
DOOR SATELLITE SENSOR RH [GND-SHORT]		Front door satellite sensor RH circuit is shorted to ground.	
B-PILLAR SATELLITE SENSOR LH [SENSOR FAIL]	B0091	Front side air bag satellite sensor LH has malfunctioned.	Refer to <a href="#">SRC-72. "Diagnosis Procedure"</a> .
B-PILLAR SATELLITE SENSOR LH [COMM FAIL]		Front side air bag satellite sensor LH communication error.	
B-PILLAR SATELLITE SENSOR LH [DISCONNECT]		Front side air bag satellite sensor LH is disconnected.	
B-PILLAR SATELLITE SENSOR LH [UNMATCH]		Front side air bag satellite sensor LH is out of specification.	
B-PILLAR SATELLITE SENSOR LH [GND-SHORT]		Front side air bag satellite sensor LH circuit is shorted to ground.	
B-PILLAR SATELLITE SENSOR RH [SENSOR FAIL]	B0096	Front side air bag satellite sensor RH has malfunctioned.	Refer to <a href="#">SRC-75. "Diagnosis Procedure"</a> .
B-PILLAR SATELLITE SENSOR RH [COMM FAIL]		Front side air bag satellite sensor RH communication error.	
B-PILLAR SATELLITE SENSOR RH [DISCONNECT]		Front side air bag satellite sensor RH is disconnected.	
B-PILLAR SATELLITE SENSOR RH [UNMATCH]		Front side air bag satellite sensor RH is out of specification.	
B-PILLAR SATELLITE SENSOR RH [GND-SHORT]		Front side air bag satellite sensor RH circuit is shorted to ground.	
C-PILLAR SATELLITE SENSOR LH [SENSOR FAIL]	B0092	Rear side air bag satellite sensor LH has malfunctioned.	Refer to <a href="#">SRC-78. "Diagnosis Procedure"</a> .
C-PILLAR SATELLITE SENSOR LH [COMM FAIL]		Rear side air bag satellite sensor LH communication error.	
C-PILLAR SATELLITE SENSOR LH [DISCONNECT]		Rear side air bag satellite sensor LH is disconnected.	
C-PILLAR SATELLITE SENSOR LH [UNMATCH]		Rear side air bag satellite sensor LH is out of specification.	
C-PILLAR SATELLITE SENSOR LH [GND-SHORT]		Rear side air bag satellite sensor LH circuit is shorted to ground.	
C-PILLAR SATELLITE SENSOR RH [SENSOR FAIL]	B0097	Rear side air bag satellite sensor RH has malfunctioned.	Refer to <a href="#">SRC-81. "Diagnosis Procedure"</a> .
C-PILLAR SATELLITE SENSOR RH [COMM FAIL]		Rear side air bag satellite sensor RH communication error.	
C-PILLAR SATELLITE SENSOR RH [DISCONNECT]		Rear side air bag satellite sensor RH is disconnected.	
C-PILLAR SATELLITE SENSOR RH [UNMATCH]		Rear side air bag satellite sensor RH is out of specification.	
C-PILLAR SATELLITE SENSOR RH [GND-SHORT]		Rear side air bag satellite sensor RH circuit is shorted to ground.	

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition	Repair order
OCCUPANT DETECTION SENSOR UNIT [UNIT FAIL]	B00A0	The OCS control unit is malfunctioning.	Refer to <a href="#">SRC-99, "Diagnosis Procedure"</a> .
OCCUPANT DETECTION SENSOR UNIT [NO DATA]			
OCCUPANT DETECTION SENSOR UNIT [UNDEFINED]			
OCCUPANT DETECTION SENSOR UNIT [RESET FAIL]			
OCCUPANT DETECTION SENSOR UNIT [COMM FAIL]		Communication between the OCS control unit and the air bag diagnosis sensor unit is interrupted.	
OCCUPANT DETECTION SENSOR [UNIT FAIL]		The OCS sensor is malfunctioning.	
OCCUPANT DETECTION SENSOR [POWER FAIL]		The OCS sensor circuit is malfunctioning.	
CONTROL UNIT [UNIT FAIL]	B14XX	Air bag diagnosis sensor unit is malfunctioning.	Refer to <a href="#">SRC-90, "Diagnosis Procedure"</a> .
PASSENGER AIRBAG INDICATOR CIRCUIT [FAIL]	B00D5	Front passenger air bag OFF indicator is malfunctioning.	Refer to <a href="#">SRC-92, "Diagnosis Procedure"</a> .
PASSENGER AIRBAG INDICATOR CIRCUIT [OPEN]		Front passenger air bag OFF indicator circuit is open.	
PASSENGER AIRBAG INDICATOR CIRCUIT [VB-SHORT]		Front passenger air bag OFF indicator is shorted to a power supply circuit.	
PASSENGER AIRBAG INDICATOR CIRCUIT [GND-SHORT]		Front passenger air bag OFF indicator is shorted to ground.	
IGN VOLTAGE [LOW]	B142A	Ignition voltage to the air bag diagnosis sensor unit is low.	Refer to <a href="#">SRC-102, "Diagnosis Procedure"</a> .
IGN VOLTAGE [HIGH]		Ignition voltage to the air bag diagnosis sensor unit is high.	
CAN COMMUNICATION FAILURE	U1000	CAN system communication failure.	Refer to <a href="#">SRC-104, "Diagnosis Procedure"</a> .
CAN COMMUNICATION FAILURE [CONTROL UNIT]	U1010	CAN system (control unit) failure.	Refer to <a href="#">SRC-105, "Diagnosis Procedure"</a> .
FRONTAL COLLISION DETECTION	B1421	Frontal collision detected. Driver and/or front passenger air bag modules are deployed.	Refer to <a href="#">SR-5, "For Frontal Collision"</a> .
SIDE COLLISION DETECTION	B1422	Side collision detected. Curtain air bag module and seat belt pre-tensioner are deployed.	Refer to <a href="#">SR-7, "For Side and Rollover Collision"</a> .
REAR COLLISION DETECTION	B1425	Rear collision has been detected.	Replace air bag diagnosis unit. Refer to <a href="#">SR-26, "Removal and Installation"</a> .
AIRBAG DISPOSAL COMPLETION	B1426	Collision has been detected. Air bag diagnosis sensor unit has not yet been replaced following repairs.	

## Flash Code Index

INFOID:000000008659139

## WARNING LAMP FLASH CODE CHART

### How to read flash codes

1. Put the vehicle in Diagnosis Mode. Refer to [SRC-17, "Trouble Diagnosis without CONSULT"](#).
2. All codes are preceded by a seven second "holding" flash.
3. Identify how many primary flashes are displayed as well as the length of each primary flash.
4. Refer to the tables and examples below to determine which SRS subsystem the code belongs to.



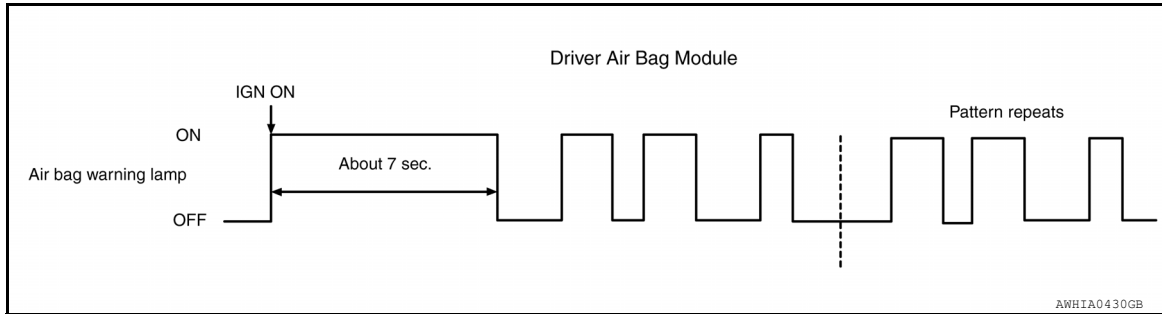
# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

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.

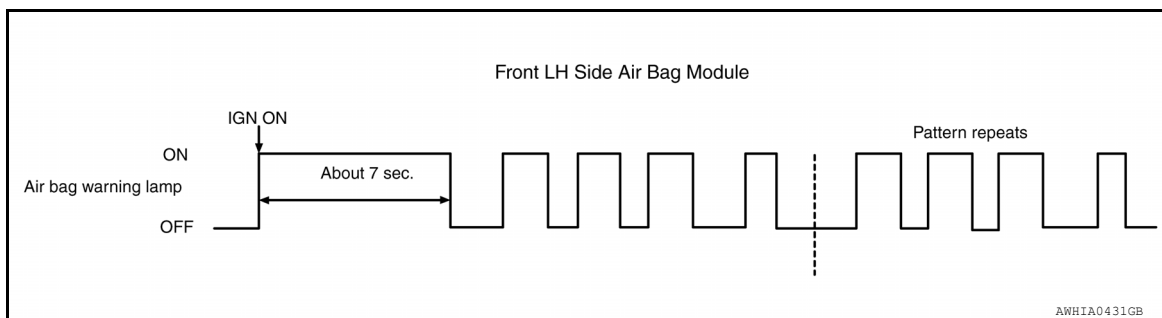
Refer to the illustrations below for an example of each flashing pattern.

### 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-45. "Diagnosis Procedure"</a>
		2	Passenger air bag module	<a href="#">SRC-48. "Diagnosis Procedure"</a>
		3	Front LH seat belt pre-tensioner (shoulder)	<a href="#">SRC-63. "Diagnosis Procedure"</a>
		4	Front RH seat belt pre-tensioner (shoulder)	<a href="#">SRC-66. "Diagnosis Procedure"</a>
		5	Front LH seat belt pre-tensioner (lap)	<a href="#">SRC-63. "Diagnosis Procedure"</a>
		6	Front RH seat belt pre-tensioner (lap)	<a href="#">SRC-66. "Diagnosis Procedure"</a>

### Side subsystem



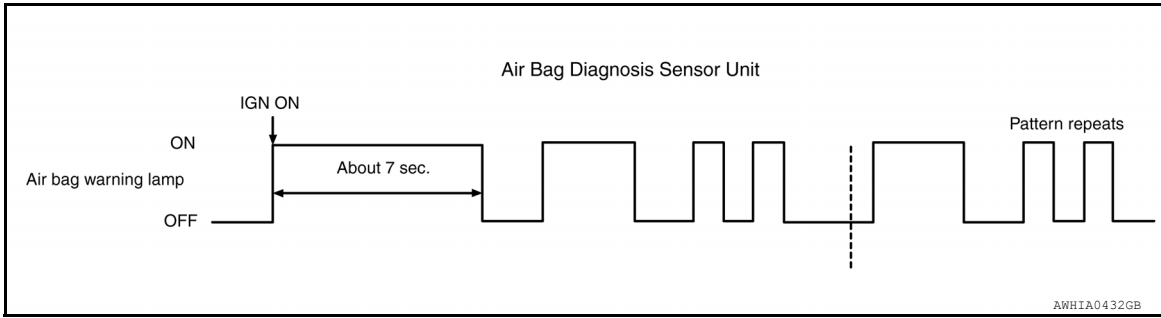
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
3	1.5	1	Front LH side air bag module	<a href="#">SRC-51. "Diagnosis Procedure"</a>
		2	Front RH side air bag module	<a href="#">SRC-54. "Diagnosis Procedure"</a>
		3	LH side curtain air bag module	<a href="#">SRC-57. "Diagnosis Procedure"</a>
		4	RH side curtain air bag module	<a href="#">SRC-60. "Diagnosis Procedure"</a>

### Air bag subsystem



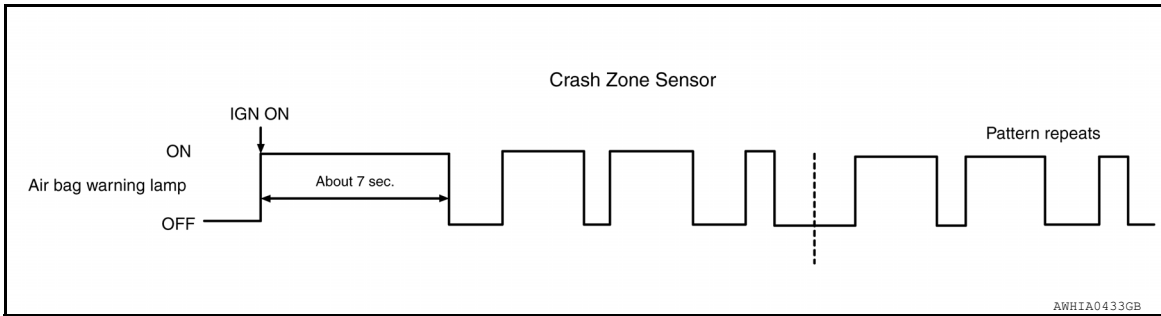
# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	1	Collision detection	<a href="#">SRC-101. "Diagnosis Procedure"</a>
		2	Air bag diagnosis sensor unit	<a href="#">SRC-90. "Diagnosis Procedure"</a>
		3	Passenger air bag OFF indicator	<a href="#">SRC-92. "Diagnosis Procedure"</a>
		4	Occupant classification system	<a href="#">SRC-99. "Diagnosis Procedure"</a>

### Sensor subsystem



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	1	Crash zone sensor	<a href="#">SRC-69. "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-75. "Diagnosis Procedure"</a>
		4	Rear side air bag satellite sensor LH	<a href="#">SRC-78. "Diagnosis Procedure"</a>
		5	Rear side air bag satellite sensor RH	<a href="#">SRC-81. "Diagnosis Procedure"</a>
		6	Front door satellite sensor LH	<a href="#">SRC-84. "Diagnosis Procedure"</a>
		7	Front door satellite sensor RH	<a href="#">SRC-87. "Diagnosis Procedure"</a>
		8	Seat belt buckle switch LH	<a href="#">SRC-95. "Diagnosis Procedure"</a>
		9	Seat belt buckle switch RH	<a href="#">SRC-97. "Diagnosis Procedure"</a>

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# SRS AIR BAG SYSTEM

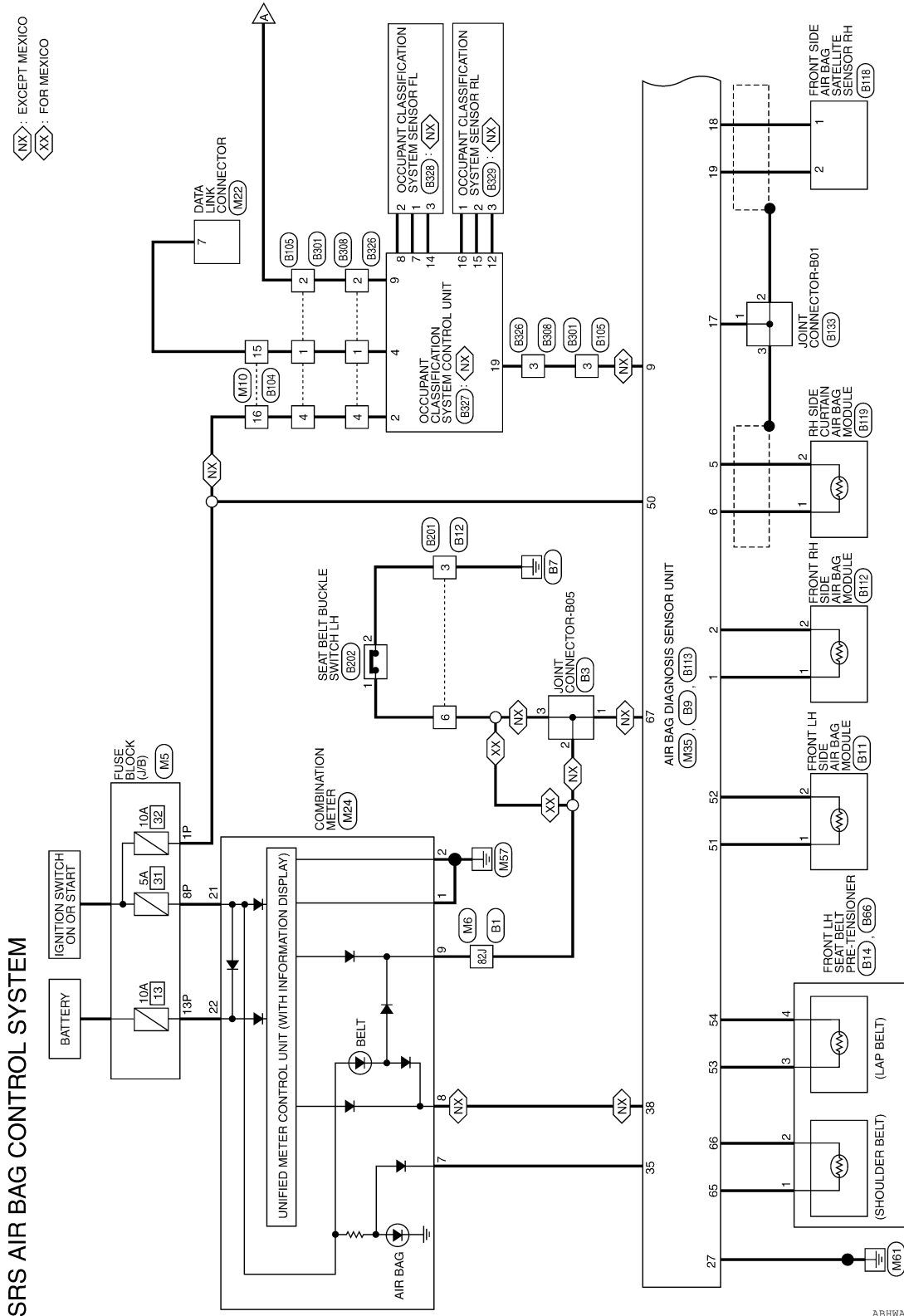
< WIRING DIAGRAM >

## WIRING DIAGRAM

### SRS AIR BAG SYSTEM

#### Wiring Diagram

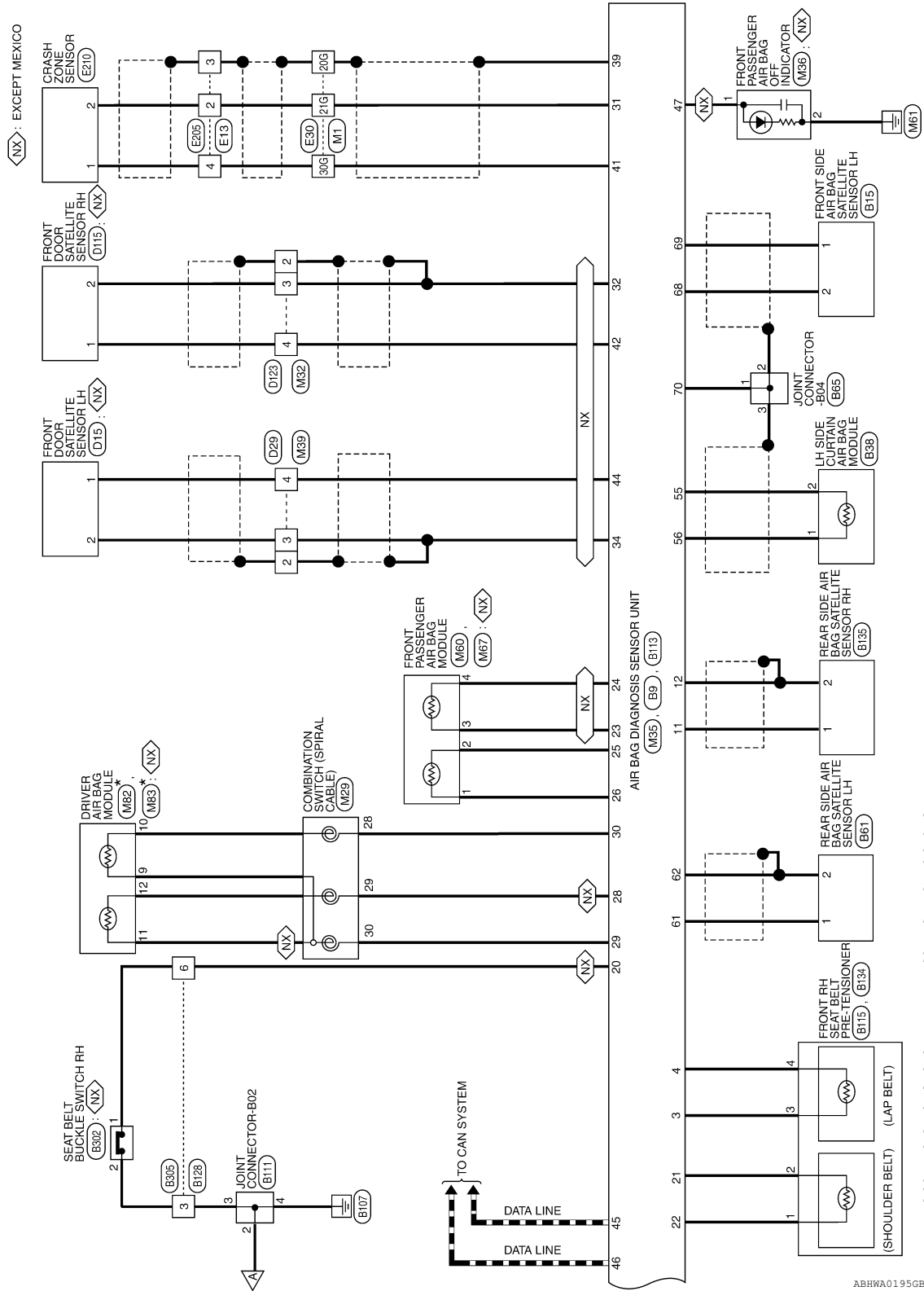
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# SRS AIR BAG SYSTEM

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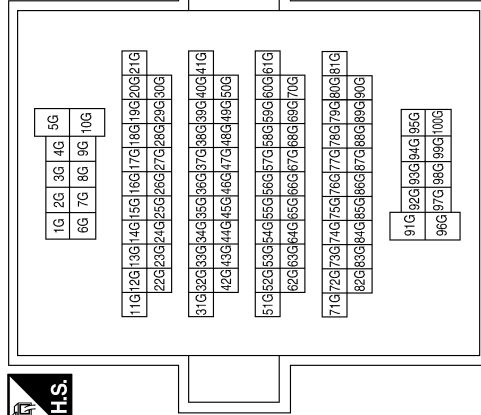
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# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

## SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Color	WHITE



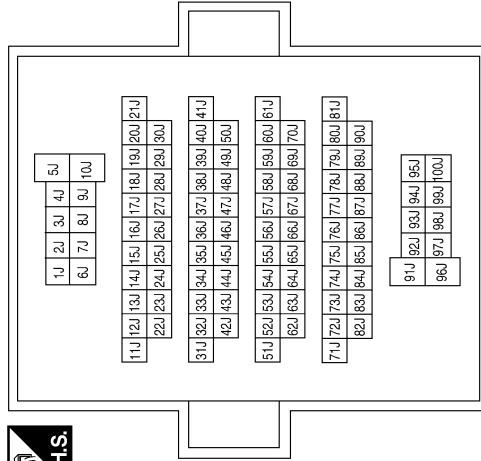
Terminal No.	Color of Wire	Signal Name
20G	SHIELD	-
21G	B	-
30G	W	-

Connector No.	M5
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1P	P	-
8P	BR	-
13P	G	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Color	GRAY


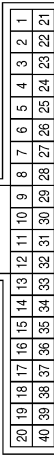


Terminal No.	Color of Wire	Signal Name
82J	V	-

# SRS AIR BAG SYSTEM


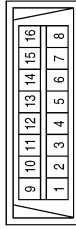
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Connector No.	M24
Connector Name	COMBINATION METER
Connector Color	WHITE


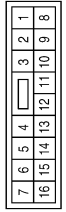
Terminal No.	Color of Wire	Signal Name
1	B	GND1
2	B	GND2
7	R	AIR BAG
8	W	AS BELT
9	V	DR BUCKLE SW
21	BR	IGN
22	G	BAT

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


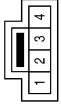
Terminal No.	Color of Wire	Signal Name
7	R	-

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



Terminal No.	Color of Wire	Signal Name
15	R	-
16	R	-

Connector No.	M32
Connector Name	WIRE TO WIRE
Connector Color	YELLOW

Terminal No.	Color of Wire	Signal Name
2	SHIELD	-
3	B	-
4	W	-

Connector No.	M29
Connector Name	COMBINATION SWITCH
Connector Color	YELLOW

Terminal No.	Color of Wire	Signal Name
28	LG	INFLATOR DR1(+)
29	BR	INFLATOR DR2(+)
30	Y	INFLATOR DR1 & DR2(-)

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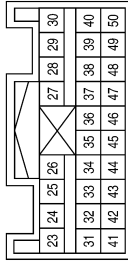
# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

Terminal No.	Color of Wire	Signal Name
38	W	SBR
39	SHIELD	GND
40	-	-
41	W	ECZS(+)
42	W	RH DOOR-SAT(+)
43	-	-
44	W	LH DOOR-SAT(+)
45	P	CAN-L
46	L	CAN-H
47	R	TELLTALE LAMP
48	-	-
49	-	-
50	P	IGN

Terminal No.	Color of Wire	Signal Name
26	LG	AS1(+) (FOR MEXICO)
27	B	GND
28	BR	DR2(+)
29	Y	DR1(-)&DR2(-)
30	LG	DR1(+)
31	B	ECZS(-)
32	B	RH DOOR-SAT(-)
33	-	-
34	B	LH DOOR-SAT(-)
35	R	AWL
36	-	-
37	-	-

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



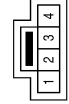
Terminal No.	Color of Wire	Signal Name
23	R	AS2(+)
24	W	AS2(-)
25	P	AS1(-) (EXCEPT MEXICO)
25	Y	AS1(-) (FOR MEXICO)
26	G	AS1(+) (EXCEPT MEXICO)

Connector No.	M60
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Color	ORANGE



Terminal No.	Color of Wire	Signal Name
1	G	AS1(+) (EXCEPT MEXICO)
1	LG	AS1(+) (FOR MEXICO)
2	P	AS1(-) (EXCEPT MEXICO)
2	Y	AS1(-) (FOR MEXICO)

Connector No.	M39
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
2	SHIELD	-
3	B	-
4	W	-

Connector No.	M36
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Color	BROWN



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

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# SRS AIR BAG SYSTEM

## < WIRING DIAGRAM >

Connector No.	M67
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
3	R	AS2(+)
4	W	AS2(-)

Connector No.	M82
Connector Name	DRIVER AIR BAG MODULE
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
9	R	DR1 (-)
10	Y	DR1 (+)

Connector No.	M83
Connector Name	DRIVER AIR BAG MODULE
Connector Color	ORANGE



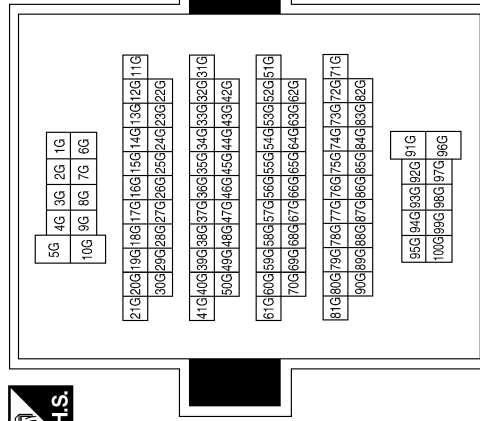
Terminal No.	Color of Wire	Signal Name
11	L	DR2 (-)
12	G	DR2 (+)

Connector No.	E13
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
2	B	-
3	SHIELD	-
4	W	-

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
20G	SHIELD	-
21G	B	-
30G	W	-

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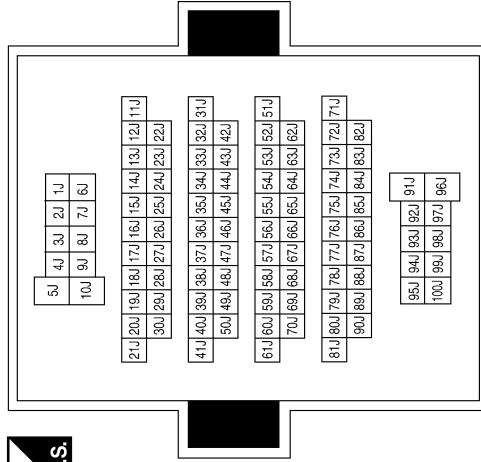
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# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Color	GRAY



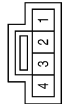
Terminal No.	Color of Wire	Signal Name
82J	LG	-

Connector No.	E210
Connector Name	CRASH ZONE SENSOR
Connector Color	YELLOW



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

Connector No.	E205
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
2	B	-
3	SHIELD	-
4	W	-

Connector No.	B3
Connector Name	JOINT CONNECTOR-B05
Connector Color	WHITE



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

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# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

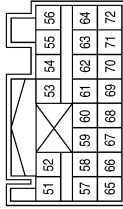
Connector No.	B11
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Color	YELLOW



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

Terminal No.	Color of Wire	Signal Name
57	-	-
58	-	-
59	-	-
60	-	-
61	W	LH C-SAT(+)
62	B	LH C-SAT(-)
63	-	-
64	-	-
65	G	P-LH1(+)
66	P	P-LH1(-)
67	LG	LH BUCKLE SW(+)
68	B	LH B-SAT(-)
69	W	LH B-SAT(+)
70	GR	GND
71	-	-
72	-	-

Connector No.	B9
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
51	Y	LH SQUIB #1(+)
52	BR	LH SQUIB #1(-)
53	R	LH SQUIB #2(+)
54	BG	LH SQUIB #2(-)
55	W	LH SQUIB #3(-)
56	B	LH SQUIB #3(+)

Connector No.	B15
Connector Name	FRONT SIDE AIR BAG SATELLITE SENSOR LH
Connector Color	YELLOW



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

Connector No.	B14
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW



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

Connector No.	B12
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
3	B	-
6	LG	-

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# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

Connector No.	B38
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Color	YELLOW



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

Connector No.	B61
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.	B65
Connector Name	JOINT CONNECTOR-B04
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	GR	-
2	SHIELD	-
3	SHIELD	-

Connector No.	B66
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Color	ORANGE



Terminal No.	Color of Wire	Signal Name
3	R	-
4	BG	-

Connector No.	B104
Connector Name	WIRE TO WIRE
Connector Color	BROWN



Terminal No.	Color of Wire	Signal Name
15	BR	-
16	SB	-

Connector No.	B105
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	BR	-
2	B	-
3	L	-
4	SB	-

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# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

Connector No.	B111
Connector Name	JOINT CONNECTOR-B02
Connector Color	WHITE



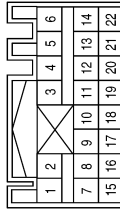
Terminal No.	Color of Wire	Signal Name
2	B	-
3	B	-
4	B	-

Connector No.	B112
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Color	YELLOW



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

Connector No.	B113
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
1	Y	RH SQUIB #1(+)
2	BR	RH SQUIB #1(-)
3	R	RH SQUIB #2(+)
4	BG	RH SQUIB #2(-)
5	W	RH SQUIB #3(-)
6	B	RH SQUIB #3(+)

Terminal No.	Color of Wire	Signal Name
7	-	-
8	-	-
9	L	ODS
10	-	-
11	B	RH C-SAT(+)
12	W	RH C-SAT(-)
13	-	-
14	-	-
15	-	-
16	-	-
17	GR	GND
18	B	RH B-SAT(+)
19	W	RH B-SAT(-)
20	L	RH BUCKLE SW(+)
21	P	P-RH1(-)
22	G	P-RH1(+)

Connector No.	B115
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW



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

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# SRS AIR BAG SYSTEM

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Connector No.	B128
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
3	B	-
6	L	-

Connector No.	B119
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Color	YELLOW



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

Connector No.	B118
Connector Name	FRONT SIDE AIR BAG SATELLITE SENSOR RH
Connector Color	YELLOW



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

Connector No.	B135
Connector Name	REAR SIDE AIR BAG SATELLITE SENSOR RH
Connector Color	YELLOW



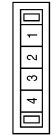
Terminal No.	Color of Wire	Signal Name
1	B	-
2	W	-

Connector No.	B134
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Color	ORANGE



Terminal No.	Color of Wire	Signal Name
3	R	-
4	BG	-

Connector No.	B133
Connector Name	JOINT CONNECTOR-B01
Connector Color	WHITE



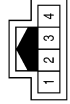
Terminal No.	Color of Wire	Signal Name
1	GR	-
2	SHIELD	-
3	SHIELD	-

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# SRS AIR BAG SYSTEM

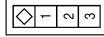
< WIRING DIAGRAM >

Connector No.	B301
Connector Name	WIRE TO WIRE
Connector Color	WHITE



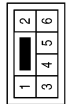
Terminal No.	Color of Wire	Signal Name
1	BR	-
2	B	-
3	L	-
4	LG	-

Connector No.	B202
Connector Name	SEAT BELT BUCKLE SWITCH LH
Connector Color	WHITE



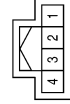
Terminal No.	Color of Wire	Signal Name
1	O	-(EXCEPT MEXICO)
1	LG	-(FOR MEXICO)
2	B	-

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Color	WHITE



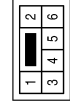
Terminal No.	Color of Wire	Signal Name
3	B	-
6	O	-(EXCEPT MEXICO)
6	LG	-(FOR MEXICO)

Connector No.	B308
Connector Name	WIRE TO WIRE
Connector Color	WHITE



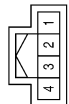
Terminal No.	Color of Wire	Signal Name
1	BR	-
2	B	-
3	L	-
4	LG	-

Connector No.	B305
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
3	B	-
6	L	-

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



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

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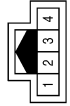
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# SRS AIR BAG SYSTEM

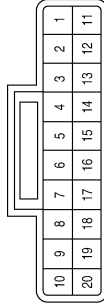
< WIRING DIAGRAM >

Connector No.	B326
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	BR	-
2	B	-
3	L	-
4	LG	-

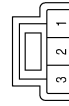
Connector No.	B327
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Color	BLACK



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

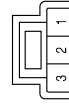
Terminal No.	Color of Wire	Signal Name
8	LG	LOAD SENSOR FRONT INNER SIGNAL
9	B	GND
10	-	-
11	-	-
12	Y	LOAD SENSOR REAR INNER VCC
13	-	-
14	R	LOAD SENSOR FRONT INNER VCC
15	SB	LOAD SENSOR REAR INNER SIGNAL
16	W/L	LOAD SENSOR REAR INNER GND
17	-	-
18	-	-
19	BR/W	ACU COMM
20	-	-

Connector No.	B328
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR FL
Connector Color	PINK



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

Connector No.	B329
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR RL
Connector Color	PINK



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

Connector No.	D15
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Color	YELLOW



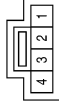
Terminal No.	Color of Wire	Signal Name
1	LG	-
2	V	-

ABHIA0495GB

# SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

Connector No.	D123
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



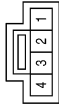
Terminal No.	Color of Wire	Signal Name
2	SHIELD	-
3	V	-
4	LG	-

Connector No.	D115
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Color	YELLOW



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

Connector No.	D29
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
2	SHIELD	-
3	V	-
4	LG	-

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ABHIA0496GB

# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

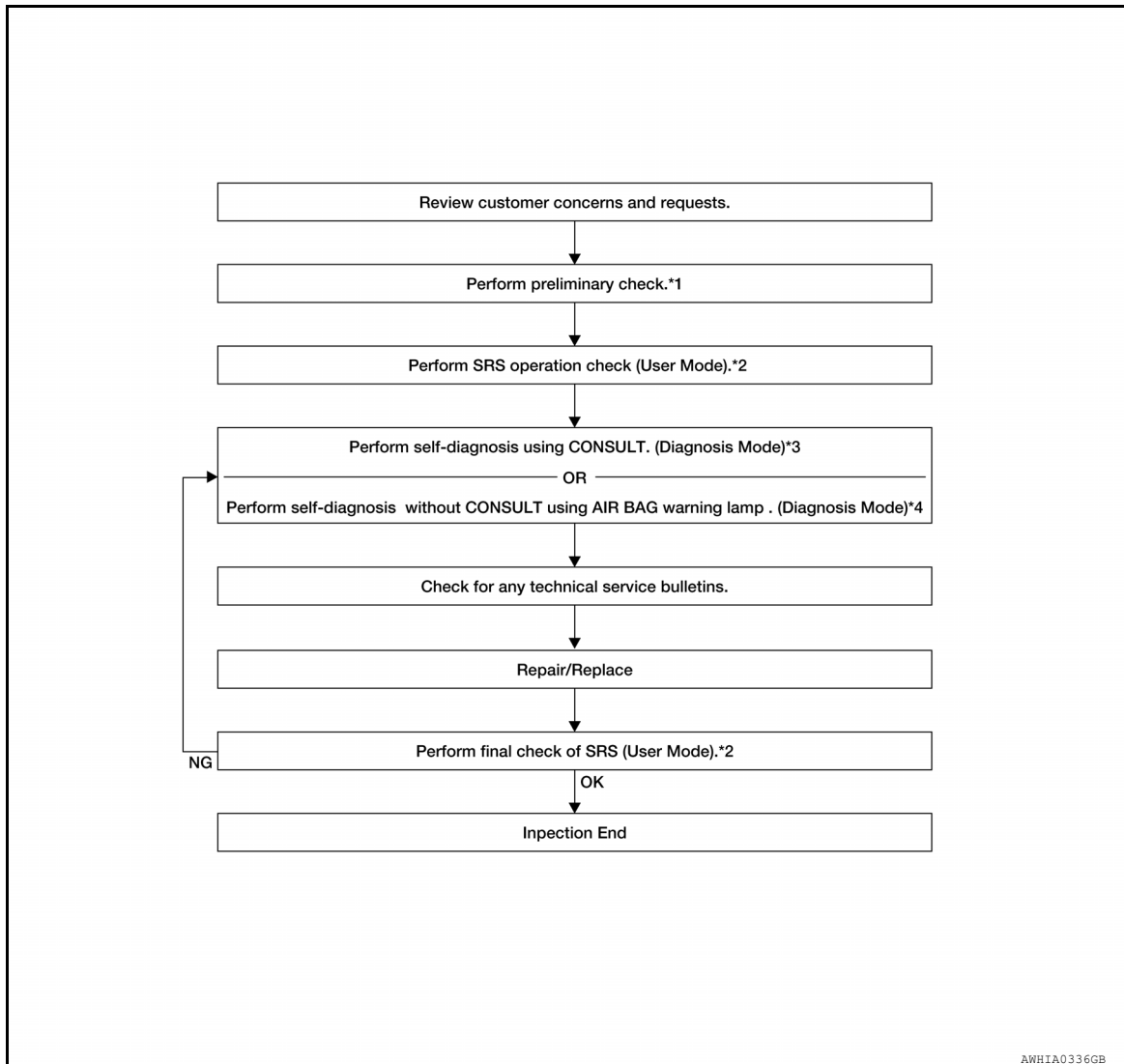
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000008659141

OVERALL SEQUENCE



\*1 [SRC-15. "Diagnosis Description"](#)

\*2 [SRC-15. "SRS Operation Check"](#)

\*3 [SRC-16. "Trouble Diagnosis with CONSULT"](#)

\*4 [SRC-17. "Trouble Diagnosis without CONSULT"](#)

#### DETAILED WORK FLOW

##### 1. CUSTOMER INFORMATION

Get detailed information from the customer about the symptom.

>> GO TO 2

##### 2. PRELIMINARY CHECK

Perform preliminary check. Refer to [SRC-15. "Diagnosis Description"](#).



# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

---

>> GO TO 3

## 3. SRS OPERATION CHECK (USER MODE)

---

Perform SRS operation check in User Mode. Refer to [SRC-15, "SRS Operation Check"](#).

>> GO TO 4

## 4. SELF-DIAGNOSIS (DIAGNOSIS MODE)

---

Perform SELF-DIAGNOSIS. Refer to [SRC-16, "Trouble Diagnosis with CONSULT"](#) or [SRC-17, "Trouble Diagnosis without CONSULT"](#).

>> GO TO 5

## 5. TECHNICAL SERVICE BULLETINS

---

Check for technical service bulletins.

>> GO TO 6

## 6. REPLACE PART

---

Replace the malfunctioning part.

>> GO TO 7

## 7. FINAL CHECK

---

Check SRS using Diagnosis Mode and User Mode.

Does Diagnosis Mode and User Mode indicate SRS normal?

YES >> Inspection End.

NO >> GO TO 4

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SRC

# INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

---

## INSPECTION AND ADJUSTMENT

### ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

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

INFOID:000000008659142

#### **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:000000008659143

#### WORK PROCEDURE WHEN REPLACING OCS CONTROL UNIT

##### 1.PERFORM ZERO POINT RESET

---

Perform zero point reset. Refer to [SRC-42, "ZERO POINT RESET : Special Repair Requirement"](#).

>> Inspection End.

## ZERO POINT RESET

### ZERO POINT RESET : Description

INFOID:000000008659144

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:000000008659145

##### 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:000000008659146

### 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:000000008659147

### CHECK SRS REPAIR HISTORY

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

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**SRC**

# B0001, B0002 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## DTC/CIRCUIT DIAGNOSIS

### B0001, B0002 DRIVER AIRBAG MODULE

#### Description

INFOID:000000008659148

#### DTC B0001, B0002 DRIVER AIRBAG MODULE

The driver air bag module is dual stage (US/CAN models) and single stage (MEX models) 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

INFOID:000000008659149

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
DRIVER AIRBAG MODULE CIRCUIT [OPEN]	B0001	Driver air bag module circuit (DR1) is open (including the spiral cable).	Refer to <a href="#">SRC-45, "Diagnosis Procedure"</a> .
DRIVER AIRBAG MODULE CIRCUIT [VB-SHORT]		Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE CIRCUIT [GND-SHORT]		Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE CIRCUIT [SHORT]		Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [OPEN]	B0002	Driver air bag module circuit (DR2) is open (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [VB-SHORT]		Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [GND-SHORT]		Driver air bag module circuit (DR2) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [SHORT]		Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	1	Driver air bag module	<a href="#">SRC-45, "Diagnosis Procedure"</a>

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

##### 1. INSPECTION START

## B0001, B0002 DRIVER AIRBAG MODULE

### < DTC/CIRCUIT DIAGNOSIS >

---

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-45, "Diagnosis Procedure"](#).

NO >> Inspection End.

### DTC CONFIRMATION PROCEDURE (Without CONSULT)

#### NOTE:

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2

### 2.IGNITION SWITCH

---

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

>> GO TO 3

### 3.WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

### 4.REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

### 5.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

### 6.DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23, "Flash Code Index"](#).

>> END

## Diagnosis Procedure

INFOID:000000008659150

#### NOTE:

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

### 1.HARNES CONNECTOR

---

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

## B0001, B0002 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

NO >> GO TO 2

### 2. WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

### 3. CHECK SPIRAL CABLE CIRCUIT

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

Driver air bag module		Spiral cable		Continuity
Connector	Terminal	Connector	Terminal	
M83 (except MEX)	11	M29	30	Yes
	12		29	
M82	9		30	
	10		28	

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

Driver air bag module		Ground	Continuity
Connector	Terminal		
M83 (except MEX)	11		No
	12		
M82	9		
	10		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the spiral cable. Refer to [SR-15. "Removal and Installation"](#).

### 4. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to [SR-26. "Removal and Installation"](#).

>> GO TO 5

### 5. DRIVER AIR BAG MODULE

Replace the driver air bag module. Refer to [SR-11. "Removal and Installation"](#).

>> GO TO 6

### 6. RELATED HARNESS

Replace the related harness.

>> **END**

# B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0010, B0011 PASSENGER AIRBAG MODULE

### Description

INFOID:000000008659151

### DTC B0010, B0011 PASSENGER AIR BAG MODULE

The passenger air bag module is dual stage (US/CAN models) and single stage (MEX models) and 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 passenger air bag module.

### PART LOCATION

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

### DTC Logic

INFOID:000000008659152

### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
ASSIST AIRBAG MODULE CIRCUIT [OPEN]	B0010	Front passenger air bag module circuit (AS1) is open.	Refer to <a href="#">SRC-48, "Diagnosis Procedure"</a> .
ASSIST AIRBAG MODULE CIRCUIT [VB-SHORT]		Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.	
ASSIST AIRBAG MODULE CIRCUIT [GND-SHORT]		Front passenger air bag module circuit (AS1) is shorted to ground.	
ASSIST AIRBAG MODULE CIRCUIT [SHORT]		Front passenger air bag module circuits (AS1) are shorted to each other.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [OPEN]	B0011	Front passenger air bag module circuit (AS2) is open.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [VB-SHORT]		Front passenger air bag module circuit (AS2) is shorted to a power supply circuit.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [GND-SHORT]		Front passenger air bag module circuit (AS2) is shorted to ground.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [SHORT]		Front passenger air bag module circuits (AS2) are shorted to each other.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	2	Passenger air bag module	<a href="#">SRC-48, "Diagnosis Procedure"</a>

### 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-48, "Diagnosis Procedure"](#).

NO >> Inspection End.

## B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

---

DTC CONFIRMATION PROCEDURE (Without CONSULT)

**NOTE:**

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2

### 2.IGNITION SWITCH

---

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

>> GO TO 3

### 3.WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

### 4.REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

### 5.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

### 6.DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23, "Flash Code Index"](#).

>> **END**

## Diagnosis Procedure

INFOID:0000000008659153

**NOTE:**

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

### 1.HARNES CONNECTOR

---

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

### 2.WIRING HARNESS

---

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

### 3.AIR BAG DIAGNOSIS SENSOR UNIT

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).



# B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 4

## 4.FRONT PASSENGER AIR BAG MODULE

---

Replace the front passenger air bag module. Refer to [SR-31. "Removal and Installation"](#).

>> GO TO 5

## 5.RELATED HARNESS

---

Replace the related harness.

>> END

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# B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B0020 SIDE AIRBAG MODULE LH

### Description

INFOID:000000008659154

#### DTC B0020 FRONT LH SIDE AIR BAG MODULE

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

#### PART LOCATION

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

### DTC Logic

INFOID:000000008659155

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE AIRBAG MODULE LH CIRCUIT [OPEN]	B0020	Front LH side air bag module circuit is open.	Refer to <a href="#">SRC-51, "Diagnosis Procedure"</a> .
SIDE AIRBAG MODULE LH CIRCUIT [VB-SHORT]		Front LH side air bag module circuit is shorted to a power supply circuit.	
SIDE AIRBAG MODULE LH CIRCUIT [GND-SHORT]		Front LH side air bag module circuit is shorted to ground.	
SIDE AIRBAG MODULE LH CIRCUIT [SHORT]		Front LH side air bag module circuits are shorted to each other.	

Without CONSULT

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-51, "Diagnosis Procedure"</a>

#### 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-51, "Diagnosis Procedure"](#).

NO >> Inspection End.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

##### NOTE:

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

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

##### 2.IGNITION SWITCH

## B0020 SIDE AIRBAG MODULE LH

### < DTC/CIRCUIT DIAGNOSIS >

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

>> GO TO 3

### 3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

### 4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

### 5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

### 6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23. "Flash Code Index"](#).

>> **END**

## Diagnosis Procedure

INFOID:000000008659156

### NOTE:

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

### 1.HARNES CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

### 2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

### 3.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to [SR-26. "Removal and Installation"](#).

>> GO TO 4

### 4.FRONT LH SIDE AIR BAG MODULE

Replace the front LH side air bag module. Refer to [SR-21. "Removal and Installation"](#).

>> GO TO 5

### 5.RELATED HARNESS

Replace the related harness.

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## **B0020 SIDE AIRBAG MODULE LH**

< DTC/CIRCUIT DIAGNOSIS >

---

>> **END**

# B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B0028 SIDE AIRBAG MODULE RH

### Description

INFOID:000000008659157

### DTC B0028 FRONT RH SIDE AIR BAG MODULE

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

### PART LOCATION

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

### DTC Logic

INFOID:000000008659158

### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE AIRBAG MODULE RH CIRCUIT [OPEN]	B0028	Front RH side air bag module circuit is open.	Refer to <a href="#">SRC-54, "Diagnosis Procedure"</a> .
SIDE AIRBAG MODULE RH CIRCUIT [VB-SHORT]		Front RH side air bag module circuit is shorted to a power supply circuit.	
SIDE AIRBAG MODULE RH CIRCUIT [GND-SHORT]		Front RH side air bag module circuit is shorted to ground.	
SIDE AIRBAG MODULE RH CIRCUIT [SHORT]		Front RH side air bag module circuits are shorted to each other.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
3	1.5	2	Front RH side air bag module	<a href="#">SRC-54, "Diagnosis Procedure"</a>

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

NO >> Inspection End.

### DTC CONFIRMATION PROCEDURE (Without CONSULT)

#### NOTE:

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

#### 2.IGNITION SWITCH

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

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# B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 3

## 3. WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

## 4. REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

## 5. IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

## 6. DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23. "Flash Code Index"](#).

>> **END**

## Diagnosis Procedure

INFOID:000000008659159

### NOTE:

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

## 1. HARNESS CONNECTOR

---

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

## 2. WIRING HARNESS

---

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

## 3. AIR BAG DIAGNOSIS SENSOR UNIT

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26. "Removal and Installation"](#).

>> GO TO 4

## 4. FRONT RH SIDE AIR BAG MODULE

---

Replace the front RH side air bag module. Refer to [SR-21. "Removal and Installation"](#).

>> GO TO 5

## 5. RELATED HARNESS

---

Replace the related harness.

# B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

---

>> END

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# B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B0021 SIDE CURTAIN AIR BAG MODULE LH

### Description

INFOID:000000008659160

#### DTC B0021 LH SIDE CURTAIN AIR BAG MODULE

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

#### PART LOCATION

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

### DTC Logic

INFOID:000000008659161

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CURTAIN AIRBAG MODULE LH CIRCUIT [OPEN]	B0021	LH side curtain air bag module circuit is open.	Refer to <a href="#">SRC-57, "Diagnosis Procedure"</a> .
CURTAIN AIRBAG MODULE LH CIRCUIT [VB-SHORT]		LH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN AIRBAG MODULE LH CIRCUIT [GND-SHORT]		LH side curtain air bag module circuit is shorted to ground.	
CURTAIN AIRBAG MODULE LH CIRCUIT [SHORT]		LH side curtain air bag module circuits are shorted to each other.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
3	1.5	3	LH side curtain air bag module	<a href="#">SRC-57, "Diagnosis Procedure"</a>

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

##### 1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

##### 2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

##### Is the DTC detected?

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

NO >> Inspection End.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

##### NOTE:

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

##### 1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

##### 2. IGNITION SWITCH

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



# B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 3

## 3. WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

## 4. REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

## 5. IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

## 6. DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23. "Flash Code Index"](#).

>> **END**

## Diagnosis Procedure

INFOID:000000008659162

SRC

### NOTE:

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

## 1. HARNESS CONNECTOR

---

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

## 2. WIRING HARNESS

---

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

## 3. AIR BAG DIAGNOSIS SENSOR UNIT

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26. "Removal and Installation"](#).

>> GO TO 4

## 4. LH SIDE CURTAIN AIR BAG MODULE

---

Replace the LH side curtain air bag module. Refer to [SR-19. "Removal and Installation"](#).

>> GO TO 5

## 5. RELATED HARNESS

---

Replace the related harness.

## **B0021 SIDE CURTAIN AIR BAG MODULE LH**

< DTC/CIRCUIT DIAGNOSIS >

---

>> **END**

# B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B0029 SIDE CURTAIN AIR BAG MODULE RH

### Description

INFOID:000000008659163

### DTC B0029 RH SIDE CURTAIN AIR BAG MODULE

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

### PART LOCATION

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

### DTC Logic

INFOID:000000008659164

### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CURTAIN AIRBAG MODULE RH CIRCUIT [OPEN]	B0029	RH side curtain air bag module circuit is open.	Refer to <a href="#">SRC-60, "Diagnosis Procedure"</a> .
CURTAIN AIRBAG MODULE RH CIRCUIT [VB-SHORT]		RH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN AIRBAG MODULE RH CIRCUIT [GND-SHORT]		RH side curtain air bag module circuit is shorted to ground.	
CURTAIN AIRBAG MODULE RH CIRCUIT [SHORT]		RH side curtain air bag module circuits are shorted to each other.	

Without CONSULT

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

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

NO >> Inspection End.

### DTC CONFIRMATION PROCEDURE (Without CONSULT)

#### NOTE:

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

#### 2.IGNITION SWITCH

## B0029 SIDE CURTAIN AIR BAG MODULE RH

### < DTC/CIRCUIT DIAGNOSIS >

---

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

>> GO TO 3

### 3. WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

### 4. REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

### 5. IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

### 6. DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23, "Flash Code Index"](#).

>> **END**

## Diagnosis Procedure

INFOID:000000008659165

### NOTE:

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

### 1. HARNESS CONNECTOR

---

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

### 2. WIRING HARNESS

---

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

### 3. AIR BAG DIAGNOSIS SENSOR UNIT

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

>> GO TO 4

### 4. RH SIDE CURTAIN AIR BAG MODULE

---

Replace the RH side curtain air bag module. Refer to [SR-19, "Removal and Installation"](#).

>> GO TO 5

### 5. RELATED HARNESS

---

Replace the related harness.

# B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

---

>> END

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# B1430, B1432 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

## B1430, B1432 SEAT BELT PRE-TENSIONER LH

### Description

INFOID:000000008659166

#### DTC B1430, 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 Logic

INFOID:000000008659167

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FRONT PRE-TEN LH CIRCUIT [OPEN]	B1430	LH seat belt pre-tensioner circuit is open. (shoulder belt)	Refer to <a href="#">SRC-63, "Diagnosis Procedure"</a> .
FRONT PRE-TEN LH CIRCUIT [VB-SHORT]		LH seat belt pre-tensioner circuit is shorted to a power supply circuit. (shoulder belt)	
FRONT PRE-TEN LH CIRCUIT [GND-SHORT]		LH seat belt pre-tensioner circuit is shorted to ground. (shoulder belt)	
FRONT PRE-TEN LH CIRCUIT [SHORT]		LH seat belt pre-tensioner circuits are shorted to each other. (shoulder belt)	
FRONT PRE-TEN2 LH CIRCUIT [OPEN]	B1432	LH seat belt pre-tensioner circuit is open. (lap belt)	
FRONT PRE-TEN2 LH CIRCUIT [VB-SHORT]		LH seat belt pre-tensioner circuit is shorted to a power supply circuit. (lap belt)	
FRONT PRE-TEN2 LH CIRCUIT [GND-SHORT]		LH seat belt pre-tensioner circuit is shorted to ground. (lap belt)	
FRONT PRE-TEN2 LH CIRCUIT [SHORT]		LH seat belt pre-tensioner circuits are shorted to each other. (lap belt)	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	3	Front LH seat belt pre-tensioner (shoulder)	<a href="#">SRC-63, "Diagnosis Procedure"</a>
		5	Front LH seat belt pre-tensioner (lap)	

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

NO >> Inspection End.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

# B1430, B1432 SEAT BELT PRE-TENSIONER LH

## < DTC/CIRCUIT DIAGNOSIS >

### NOTE:

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

### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

### 2.IGNITION SWITCH

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

>> GO TO 3

### 3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

### 4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

### 5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

### 6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23, "Flash Code Index"](#).

>> Inspection End.

## Diagnosis Procedure

INFOID:000000008659168

### NOTE:

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

### 1.HARNES CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

### 2.WIRING HARNES

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

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

Replace the front LH seat belt pre-tensioner. Refer to [SR-29, "Removal and Installation"](#).

## **B1430, B1432 SEAT BELT PRE-TENSIONER LH**

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 4

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

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

>> GO TO 5

### **5.RELATED HARNESS**

---

Replace the related harness.

>> Inspection End.



# B1431, B1433 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

## B1431, B1433 SEAT BELT PRE-TENSIONER RH

### Description

INFOID:000000008659169

### DTC B1431, B1433 SEAT BELT PRE-TENSIONER RH

The seat belt pre-tensioner RH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the seat belt pre-tensioner RH.

### PART LOCATION

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

### DTC Logic

INFOID:000000008659170

### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FRONT PRE-TEN RH CIRCUIT [OPEN]	B1431	RH seat belt pre-tensioner circuit is open. (shoulder belt)	Refer to <a href="#">SRC-66, "Diagnosis Procedure"</a> .
FRONT PRE-TEN RH CIRCUIT [VB-SHORT]		RH seat belt pre-tensioner circuit is shorted to a power supply circuit. (shoulder belt)	
FRONT PRE-TEN RH CIRCUIT [GND-SHORT]		RH seat belt pre-tensioner circuit is shorted to ground. (shoulder belt)	
FRONT PRE-TEN RH CIRCUIT [SHORT]		RH seat belt pre-tensioner circuits are shorted to each other. (shoulder belt)	
FRONT PRE-TEN2 RH CIRCUIT [OPEN]	B1433	RH seat belt pre-tensioner circuit is open. (lap belt)	
FRONT PRE-TEN2 RH CIRCUIT [VB-SHORT]		RH seat belt pre-tensioner circuit is shorted to a power supply circuit. (lap belt)	
FRONT PRE-TEN2 RH CIRCUIT [GND-SHORT]		RH seat belt pre-tensioner circuit is shorted to ground. (lap belt)	
FRONT PRE-TEN2 RH CIRCUIT [SHORT]		RH seat belt pre-tensioner circuits are shorted to each other. (lap belt)	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	4	Front RH seat belt pre-tensioner (shoulder)	<a href="#">SRC-66, "Diagnosis Procedure"</a>
		6	Front RH seat belt pre-tensioner (lap)	

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

NO >> Inspection End.

### DTC CONFIRMATION PROCEDURE (Without CONSULT)

## B1431, B1433 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

---

**NOTE:**

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

### 1.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 2

### 2.IGNITION SWITCH

---

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

>> GO TO 3

### 3.WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

### 4.REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

### 5.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

### 6.DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23, "Flash Code Index"](#).

>> Inspection End.

## Diagnosis Procedure

INFOID:000000008659171

**NOTE:**

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

### 1.HARNES CONNECTOR

---

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

### 2.WIRING HARNESS

---

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

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

---

Replace the front RH seat belt pre-tensioner. Refer to [SR-29, "Removal and Installation"](#).

## B1431, B1433 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 4

### 4. AIR BAG DIAGNOSIS SENSOR UNIT

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

>> GO TO 5

### 5. RELATED HARNESS

---

Replace the related harness.

>> Inspection End.

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# B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

## B0094 CRASH ZONE SENSOR

### Description

INFOID:000000008659172

#### DTC B0094 CRASH ZONE SENSOR

The crash zone sensor is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the crash zone sensor.

#### PART LOCATION

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

### DTC Logic

INFOID:000000008659173

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CRASH ZONE SENSOR [SENSOR FAIL]	B0094	Crash zone sensor has malfunctioned.	Refer to <a href="#">SRC-69, "Diagnosis Procedure"</a> .
CRASH ZONE SENSOR [COMM FAIL]		Crash zone sensor communication error.	
CRASH ZONE SENSOR [DISCONNECT]		Crash zone sensor is disconnected.	
CRASH ZONE SENSOR [UNMATCH]		Crash zone sensor is out of specification.	
CRASH ZONE SENSOR [GND-SHORT]		Crash zone sensor circuit is shorted to ground.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	1	Crash zone sensor	<a href="#">SRC-69, "Diagnosis Procedure"</a>

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

NO >> Inspection End.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

##### NOTE:

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

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

# B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

---

## 2.IGNITION SWITCH

---

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

>> GO TO 3

---

## 3.WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

---

## 4.REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

---

## 5.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

---

## 6.DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23, "Flash Code Index"](#).

>> Inspection End.

## Diagnosis Procedure

INFOID:000000008659174

### NOTE:

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

---

## 1.HARNES CONNECTOR

---

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

---

## 2.WIRING HARNESS

---

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

---

## 3.CRASH ZONE SENSOR

---

Replace the crash zone sensor. Refer to [SR-22, "Removal and Installation"](#).

>> GO TO 4

---

## 4.AIR BAG DIAGNOSIS SENSOR UNIT

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

>> GO TO 5

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## **B0094 CRASH ZONE SENSOR**

< DTC/CIRCUIT DIAGNOSIS >

---

### **5.RELATED HARNESS**

---

Replace the related harness.

>> Inspection End.

# B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

## B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

### Description

INFOID:000000008659175

#### DTC B0091 FRONT SATELLITE SENSOR LH

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

#### PART LOCATION

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

### DTC Logic

INFOID:000000008659176

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
B-PILLAR SATELLITE SENSOR LH [SENSOR FAIL]	B0091	Front side air bag satellite sensor LH has malfunctioned.	Refer to <a href="#">SRC-72, "Diagnosis Procedure"</a> .
B-PILLAR SATELLITE SENSOR LH [COMM FAIL]		Front side air bag satellite sensor LH communication error.	
B-PILLAR SATELLITE SENSOR LH [DISCONNECT]		Front side air bag satellite sensor LH is disconnected.	
B-PILLAR SATELLITE SENSOR LH [UNMATCH]		Front side air bag satellite sensor LH is out of specification.	
B-PILLAR SATELLITE SENSOR LH [GND-SHORT]		Front side air bag satellite sensor LH circuit is shorted to ground.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	2	Front side air bag satellite sensor LH	<a href="#">SRC-72, "Diagnosis Procedure"</a>

#### 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-72, "Diagnosis Procedure"](#).

NO >> Inspection End.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

##### NOTE:

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

##### 1.IGNITION SWITCH

Turn ignition switch ON.

# B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2

## 2.IGNITION SWITCH

---

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

>> GO TO 3

## 3.WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

## 4.REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

## 5.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

## 6.DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23. "Flash Code Index"](#).

>> Inspection End.

## Diagnosis Procedure

INFOID:000000008659177

### NOTE:

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

## 1.HARNES CONNECTOR

---

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

## 2.WIRING HARNESS

---

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

## 3.FRONT SIDE AIR BAG SATELLITE SENSOR LH

---

Replace the front side air bag satellite sensor LH. Refer to [SR-23. "Removal and Installation"](#).

>> GO TO 4

## 4.AIR BAG DIAGNOSIS SENSOR UNIT

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26. "Removal and Installation"](#).

>> GO TO 5



# B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

---

## 5.RELATED HARNESS

---

Replace the related harness.

>> Inspection End.

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# B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

## B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

### Description

INFOID:000000008659178

#### 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 Logic

INFOID:000000008659179

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
B-PILLAR SATELLITE SENSOR RH [SENSOR FAIL]	B0096	Front side air bag satellite sensor RH has malfunctioned.	Refer to <a href="#">SRC-75, "Diagnosis Procedure"</a> .
B-PILLAR SATELLITE SENSOR RH [COMM FAIL]		Front side air bag satellite sensor RH communication error.	
B-PILLAR SATELLITE SENSOR RH [DISCONNECT]		Front side air bag satellite sensor RH is disconnected.	
B-PILLAR SATELLITE SENSOR RH [UNMATCH]		Front side air bag satellite sensor RH is out of specification.	
B-PILLAR SATELLITE SENSOR RH [GND-SHORT]		Front side air bag satellite sensor RH circuit is shorted to ground.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	3	Front side air bag satellite sensor RH	<a href="#">SRC-75, "Diagnosis Procedure"</a>

#### 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-75, "Diagnosis Procedure"](#).

NO >> Inspection End.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

##### NOTE:

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

##### 1.IGNITION SWITCH

Turn ignition switch ON.

# B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2

## 2.IGNITION SWITCH

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

>> GO TO 3

## 3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

## 4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

## 5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

## 6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23, "Flash Code Index"](#).

>> Inspection End.

## Diagnosis Procedure

INFOID:000000008659180

### NOTE:

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

## 1.HARNES CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

## 2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

## 3.FRONT SIDE AIR BAG SATELLITE SENSOR RH

Replace the front side air bag satellite sensor RH. Refer to [SR-23, "Removal and Installation"](#).

>> GO TO 4

## 4.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

>> GO TO 5

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## **B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH**

< DTC/CIRCUIT DIAGNOSIS >

---

### **5.RELATED HARNESS**

---

Replace the related harness.

>> Inspection End.

# B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

## B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

### Description

INFOID:000000008659181

#### 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 Logic

INFOID:000000008659182

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
C-PILLAR SATELLITE SENSOR LH [SENSOR FAIL]	B0092	Rear side air bag satellite sensor LH has malfunctioned.	Refer to <a href="#">SRC-78, "Diagnosis Procedure"</a> .
C-PILLAR SATELLITE SENSOR LH [COMM FAIL]		Rear side air bag satellite sensor LH communication error.	
C-PILLAR SATELLITE SENSOR LH [DISCONNECT]		Rear side air bag satellite sensor LH is disconnected.	
C-PILLAR SATELLITE SENSOR LH [UNMATCH]		Rear side air bag satellite sensor LH is out of specification.	
C-PILLAR SATELLITE SENSOR LH [GND-SHORT]		Rear side air bag satellite sensor LH circuit is shorted to ground.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	4	Rear side air bag satellite sensor LH	<a href="#">SRC-78, "Diagnosis Procedure"</a>

#### 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-78, "Diagnosis Procedure"](#).

NO >> Inspection End.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

##### NOTE:

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

##### 1.IGNITION SWITCH

Turn ignition switch ON.

# B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 2

## 2.IGNITION SWITCH

---

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

>> GO TO 3

## 3.WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

## 4.REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

## 5.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

## 6.DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23. "Flash Code Index"](#).

>> Inspection End.

## Diagnosis Procedure

INFOID:000000008659183

### NOTE:

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

## 1.HARNES CONNECTOR

---

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

## 2.WIRING HARNESS

---

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

## 3.REAR SIDE AIR BAG SATELLITE SENSOR LH

---

Replace the rear side air bag satellite sensor LH. Refer to [SR-23. "Removal and Installation"](#).

>> GO TO 4

## 4.AIR BAG DIAGNOSIS SENSOR UNIT

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26. "Removal and Installation"](#).

>> GO TO 5

# B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

---

## 5.RELATED HARNESS

---

Replace the related harness.

>> Inspection End.

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# B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

## B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

### Description

INFOID:000000008659184

#### 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 Logic

INFOID:000000008659185

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
C-PILLAR SATELLITE SENSOR RH [SENSOR FAIL]	B0097	Rear side air bag satellite sensor RH has malfunctioned.	Refer to <a href="#">SRC-81, "Diagnosis Procedure"</a> .
C-PILLAR SATELLITE SENSOR RH [COMM FAIL]		Rear side air bag satellite sensor RH communication error.	
C-PILLAR SATELLITE SENSOR RH [DISCONNECT]		Rear side air bag satellite sensor RH is disconnected.	
C-PILLAR SATELLITE SENSOR RH [UNMATCH]		Rear side air bag satellite sensor RH is out of specification.	
C-PILLAR SATELLITE SENSOR RH [GND-SHORT]		Rear side air bag satellite sensor RH circuit is shorted to ground.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	5	Rear side air bag satellite sensor RH	<a href="#">SRC-81, "Diagnosis Procedure"</a>

#### 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-81, "Diagnosis Procedure"](#).

NO >> Inspection End.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

##### NOTE:

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

##### 1. IGNITION SWITCH

Turn ignition switch ON.



# B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2

## 2.IGNITION SWITCH

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

>> GO TO 3

## 3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

## 4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

## 5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

## 6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23, "Flash Code Index"](#).

>> Inspection End.

## Diagnosis Procedure

INFOID:000000008659186

### NOTE:

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

## 1.HARNES CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

## 2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

## 3.REAR SIDE AIR BAG SATELLITE SENSOR RH

Replace the rear side air bag satellite sensor RH. Refer to [SR-23, "Removal and Installation"](#).

>> GO TO 4

## 4.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

>> GO TO 5

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## **B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH**

< DTC/CIRCUIT DIAGNOSIS >

---

### **5**.RELATED HARNESS

---

Replace the related harness.

>> Inspection End.

# B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

## B0093 FRONT DOOR SATELLITE SENSOR LH

### Description

INFOID:000000008659187

### DTC B0093 FRONT DOOR SATELLITE SENSOR LH

The front door satellite sensor LH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the front door satellite sensor LH for internal failures and its circuits for communication errors.

### PART LOCATION

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

### DTC Logic

INFOID:000000008659188

### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
DOOR SATELLITE SENSOR LH [SENSOR FAIL]	B0093	Front door satellite sensor LH has malfunctioned.	Refer to <a href="#">SRC-84, "Diagnosis Procedure"</a> .
DOOR SATELLITE SENSOR LH [COMM FAIL]		Front door satellite sensor LH communication error.	
DOOR SATELLITE SENSOR LH [DISCONNECT]		Front door satellite sensor LH is disconnected.	
DOOR SATELLITE SENSOR LH [UNMATCH]		Front door satellite sensor LH is out of specification.	
DOOR SATELLITE SENSOR LH [GND-SHORT]		Front door satellite sensor LH circuit is shorted to ground.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	6	Front door satellite sensor LH	<a href="#">SRC-84, "Diagnosis Procedure"</a>

### 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-84, "Diagnosis Procedure"](#).

NO >> Inspection End.

### DTC CONFIRMATION PROCEDURE (Without CONSULT)

#### NOTE:

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

## B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

---

### 2.IGNITION SWITCH

---

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

>> GO TO 3

### 3.WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

### 4.REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

### 5.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

### 6.DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23. "Flash Code Index"](#).

>> **END**

## Diagnosis Procedure

INFOID:000000008659189

### NOTE:

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

### 1.HARNES CONNECTOR

---

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

### 2.WIRING HARNESS

---

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

### 3.FRONT DOOR SATELLITE SENSOR LH

---

Replace the front door satellite sensor LH. Refer to [SR-23. "Removal and Installation"](#).

>> GO TO 4

### 4.AIR BAG DIAGNOSIS SENSOR UNIT

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26. "Removal and Installation"](#).

>> GO TO 5

# B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

---

## 5.RELATED HARNESS

---

Replace the related harness.

>> **END**

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# B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

## B0098 FRONT DOOR SATELLITE SENSOR RH

### Description

INFOID:000000008659190

#### DTC B0098 FRONT DOOR SATELLITE SENSOR RH

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

#### PART LOCATION

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

### DTC Logic

INFOID:000000008659191

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
DOOR SATELLITE SENSOR RH [SENSOR FAIL]	B0098	Front door satellite sensor RH has malfunctioned.	Refer to <a href="#">SRC-87, "Diagnosis Procedure"</a> .
DOOR SATELLITE SENSOR RH [COMM FAIL]		Front door satellite sensor RH communication error.	
DOOR SATELLITE SENSOR RH [DISCONNECT]		Front door satellite sensor RH is disconnected.	
DOOR SATELLITE SENSOR RH [UNMATCH]		Front door satellite sensor RH is out of specification.	
DOOR SATELLITE SENSOR RH [GND-SHORT]		Front door satellite sensor RH circuit is shorted to ground.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	7	Front door satellite sensor RH	<a href="#">SRC-87, "Diagnosis Procedure"</a>

#### 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-87, "Diagnosis Procedure"](#).

NO >> Inspection End.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

##### NOTE:

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

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

# B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

---

## 2.IGNITION SWITCH

---

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

>> GO TO 3

---

## 3.WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

---

## 4.REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

---

## 5.IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

---

## 6.DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23, "Flash Code Index"](#).

>> **END**

## Diagnosis Procedure

INFOID:000000008659192

### NOTE:

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

---

## 1.HARNES CONNECTOR

---

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

---

## 2.WIRING HARNESS

---

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

---

## 3.FRONT DOOR SATELLITE SENSOR RH

---

Replace the front door satellite sensor RH. Refer to [SR-23, "Removal and Installation"](#).

>> GO TO 4

---

## 4.AIR BAG DIAGNOSIS SENSOR UNIT

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

>> GO TO 5

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## **B0098 FRONT DOOR SATELLITE SENSOR RH**

< DTC/CIRCUIT DIAGNOSIS >

---

### **5.RELATED HARNESS**

---

Replace the related harness.

**>> END**



# B14XX AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

## B14XX AIR BAG DIAGNOSIS SENSOR UNIT

### Description

INFOID:000000008659196

#### 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 Logic

INFOID:000000008659197

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CONTROL UNIT [UNIT FAIL]	B14XX	Air bag diagnosis sensor unit is malfunctioning.	Refer to <a href="#">SRC-90, "Diagnosis Procedure"</a> .
AIRBAG DISPOSAL COMPLETION			

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	2	Air bag diagnosis sensor unit	<a href="#">SRC-90, "Diagnosis Procedure"</a>

#### 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-90, "Diagnosis Procedure"](#).

NO >> Inspection End.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

##### NOTE:

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

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

##### 2.IGNITION SWITCH

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

>> GO TO 3

# B14XX AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

---

## 3. WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

## 4. REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

## 5. IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

## 6. DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23, "Flash Code Index"](#).

>> Inspection End.

## Diagnosis Procedure

INFOID:000000008659198

### NOTE:

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

## 1. HARNESS CONNECTOR

---

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

## 2. WIRING HARNESS

---

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

## 3. AIR BAG DIAGNOSIS SENSOR UNIT

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

>> GO TO 4

## 4. RELATED HARNESS

---

Replace the related harness.

>> Inspection End.

# B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

## B00D5 PASSENGER AIR BAG OFF INDICATOR

### Description

INFOID:000000008659199

### DTC B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

The front passenger air bag off indicator is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit monitors the front passenger air bag off indicator and circuit for failures.

### PART LOCATION

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

### DTC Logic

INFOID:000000008659200

### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PASSENGER AIRBAG INDICATOR CIRCUIT [FAIL]	B00D5	Front passenger air bag OFF indicator is malfunctioning.	Refer to <a href="#">SRC-92, "Diagnosis Procedure"</a> .
PASSENGER AIRBAG INDICATOR CIRCUIT [OPEN]		Front passenger air bag OFF indicator circuit is open.	
PASSENGER AIRBAG INDICATOR CIRCUIT [VB-SHORT]		Front passenger air bag OFF indicator is shorted to a power supply circuit.	
PASSENGER AIRBAG INDICATOR CIRCUIT [GND-SHORT]		Front passenger air bag OFF indicator is shorted to ground.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	3	Passenger air bag OFF indicator	<a href="#">SRC-92, "Diagnosis Procedure"</a>

### 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-92, "Diagnosis Procedure"](#).

NO >> Inspection End.

### DTC CONFIRMATION PROCEDURE (Without CONSULT)

#### NOTE:

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

#### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

#### 2.IGNITION SWITCH

## B00D5 PASSENGER AIR BAG OFF INDICATOR

### < DTC/CIRCUIT DIAGNOSIS >

---

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

>> GO TO 3

### 3. WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

### 4. REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

### 5. IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

### 6. DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23, "Flash Code Index"](#).

>> **END**

## Diagnosis Procedure

INFOID:000000008659201

### NOTE:

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

### 1. HARNESS CONNECTOR

---

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

### 2. WIRING HARNESS

---

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

### 3. FRONT PASSENGER AIR BAG OFF INDICATOR

---

Replace the front passenger air bag off indicator. Refer to [IP-20, "Cluster Lid C"](#).

>> GO TO 4

### 4. AIR BAG DIAGNOSIS SENSOR UNIT

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

>> GO TO 5

### 5. RELATED HARNESS

---

Replace the related harness.

# B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

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>> END

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# B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS >

## B1428 SEAT BELT BUCKLE SWITCH LH

### Description

INFOID:000000008730791

#### DTC B1428 SEAT BELT BUCKLE SWITCH LH

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

#### PART LOCATION

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

### DTC Logic

INFOID:000000008730792

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SEAT BELT BUCKLE SW LH CIRCUIT [OPEN]	B1428	Seat belt buckle switch LH circuit is open.	Refer to <a href="#">SRC-95, "Diagnosis Procedure"</a> .
SEAT BELT BUCKLE SW LH CIRCUIT [VB-SHORT]		Seat belt buckle switch LH circuit is shorted to a power supply circuit.	
SEAT BELT BUCKLE SW LH CIRCUIT [GND-SHORT]		Seat belt buckle switch LH circuit is shorted to ground.	
SEAT BELT BUCKLE SW LH CIRCUIT [UNDEFINED]		Seat belt buckle switch LH circuit is malfunctioning.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	8	Seat belt buckle switch LH	<a href="#">SRC-95, "Diagnosis Procedure"</a>

#### 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-95, "Diagnosis Procedure"](#).
- NO >> Inspection End.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

##### NOTE:

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

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

##### 2.IGNITION SWITCH

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

# B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 3

## 3. WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

## 4. REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

## 5. IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

## 6. DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23, "Flash Code Index"](#).

>> **END**

## Diagnosis Procedure

INFOID:000000008738443

SRC

## 1. SEAT BELT WARNING LIGHT

---

Turn ignition switch ON.

Does the seat belt warning lamp stay on after lamp check?

YES >> GO TO 2

NO >> • Check 10A fuse [No. 13, located in the fuse block (J/B)].

- Check seat belt buckle switch LH.
- Check harness between combination meter and seat belt buckle switch LH.
- Check harness between seat belt buckle switch LH and ground.
- Check harness between combination meter and air bag diagnosis sensor unit.
- Check combination meter. Refer to [MWI-27, "Fail-Safe"](#).

## 2. SEAT BELT BUCKLE LH

---

Fasten the seat belt buckle LH.

Does the seat belt warning lamp go OFF?

YES >> Check harness between combination meter and air bag diagnosis sensor unit.

NO >> • Check seat belt buckle switch LH.

- Check harness between combination meter and seat belt buckle switch LH.
- Check harness between combination meter and air bag diagnosis sensor unit.

# B1429 SEAT BELT BUCKLE SWITCH RH

< DTC/CIRCUIT DIAGNOSIS >

## B1429 SEAT BELT BUCKLE SWITCH RH

### Description

INFOID:000000008738455

#### 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-9, "SRS Component Connectors"](#).

### DTC Logic

INFOID:000000008738456

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SEAT BELT BUCKLE SW RH CIRCUIT [OPEN]	B1429	Seat belt buckle switch RH circuit is open.	Refer to <a href="#">SRC-97, "Diagnosis Procedure"</a> .
SEAT BELT BUCKLE SW RH CIRCUIT [VB-SHORT]		Seat belt buckle switch RH circuit is shorted to a power supply circuit.	
SEAT BELT BUCKLE SW RH CIRCUIT [GND-SHORT]		Seat belt buckle switch RH circuit is shorted to ground.	
SEAT BELT BUCKLE SW RH CIRCUIT [UNDEFINED]		Seat belt buckle switch RH circuit is malfunctioning.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	9	Seat belt buckle switch RH	<a href="#">SRC-97, "Diagnosis Procedure"</a>

#### 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-97, "Diagnosis Procedure"](#).

NO >> Inspection End.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

##### NOTE:

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

##### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

##### 2.IGNITION SWITCH

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



# B1429 SEAT BELT BUCKLE SWITCH RH

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 3

## 3. WAIT TIME

---

Wait more than 3 seconds.

>> GO TO 4

## 4. REPEAT STEPS

---

Repeat steps 1 to 3 twice.

>> GO TO 5

## 5. IGNITION SWITCH

---

Turn ignition switch ON.

>> GO TO 6

## 6. DIAGNOSTIC MODE

---

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23. "Flash Code Index"](#).

>> **END**

## Diagnosis Procedure

INFOID:000000008738457

SRC

## 1. SEAT BELT WARNING LIGHT

---

Turn ignition switch ON.

Does the seat belt warning lamp come ON?

YES >> GO TO 2

NO >> Refer to [SRC-108. "Seat Belt Warning System Does Not Function"](#).

## 2. SEAT BELT BUCKLE LH

---

Fasten the seat belt buckle LH.

Does the seat belt warning lamp go OFF?

YES >> GO TO 3

NO >> Refer to [SRC-108. "Seat Belt Warning System Does Not Function"](#).

## 3. OCCUPANT CLASSIFICATION SYSTEM

---

Have a helper sit in the passenger seat.

Does the passenger air bag off indicator lamp go ON?

YES >> GO TO 4

NO >> • Check seat belt buckle switch RH.

• 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 RH

---

Fasten the seat belt buckle RH.

Does the seat belt warning lamp go OFF?

YES >> Inspection End.

NO >> • Check seat belt buckle switch RH.

• Check harness between seat belt buckle switch RH and air bag diagnosis sensor unit.

• Check harness between seat belt buckle switch RH and ground.

• Replace air bag diagnosis sensor unit. Refer to [SR-26. "Removal and Installation"](#).

# B00A0 OCS SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

## B00A0 OCS SYSTEM

### Description

INFOID:000000008659202

#### 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 Logic

INFOID:000000008659203

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
OCCUPANT DETECTION SENSOR UNIT [UNIT FAIL]	B00A0	The OCS control unit is malfunctioning.	Refer to <a href="#">SRC-99, "Diagnosis Procedure"</a> .
OCCUPANT DETECTION SENSOR UNIT [NO DATA]			
OCCUPANT DETECTION SENSOR UNIT [UNDEFINED]			
OCCUPANT DETECTION SENSOR UNIT [RESET FAIL]			
OCCUPANT DETECTION SENSOR [UNIT FAIL]		The OCS sensor is malfunctioning.	
OCCUPANT DETECTION SENSOR [POWER FAIL]		The OCS sensor circuit is malfunctioning.	
OCCUPANT DETECTION SENSOR UNIT [COMM FAIL]		Communication between the OCS control unit and the air bag diagnosis sensor unit is interrupted.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	4	Occupant classification system	<a href="#">SRC-99, "Diagnosis Procedure"</a>

#### 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-99, "Diagnosis Procedure"](#).
- NO >> Inspection End.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

**NOTE:**

# B00A0 OCS SYSTEM

## < DTC/CIRCUIT DIAGNOSIS >

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

### 1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

### 2.IGNITION SWITCH

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

>> GO TO 3

### 3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

### 4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

### 5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

### 6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-23. "Flash Code Index"](#).

>> **END**

## Diagnosis Procedure

INFOID:000000008659204

### **NOTE:**

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

### 1.HARNES CONNECTOR

Is there any visible damage to the OCS sub-harness connectors or body connectors?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

### 2.WIRING HARNESS

Is there any visible damage to the OCS sub-harness or body harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

### 3.REPLACE OCS CONTROL UNIT AND SENSORS

Replace the OCS control unit and OCS sensors (seat frame and adjuster assembly). Refer to [SR-28. "Removal and Installation"](#).

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**SRC**

## B00A0 OCS SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

---

>> GO TO 4

### 4. AIR BAG DIAGNOSIS SENSOR UNIT

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

>> **END.**

# B142X COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

## B142X COLLISION DETECTION

### Description

INFOID:000000008659205

#### DTC B142X COLLISION DETECTION

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

#### PART LOCATION

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

### DTC Logic

INFOID:000000008659206

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FRONTAL COLLISION DETECTION	B1421	Frontal collision detected. Driver and/or front passenger air bag modules are deployed.	Refer to <a href="#">SR-5, "For Frontal Collision"</a> .
SIDE COLLISION DETECTION	B1422	Side collision detected. Curtain air bag module and seat belt pre-tensioner are deployed.	Refer to <a href="#">SR-7, "For Side and Rollover Collision"</a> .
REAR COLLISION DETECTION	B1425	Rear collision has been detected.	Replace air bag diagnosis unit. Refer to <a href="#">SR-26, "Removal and Installation"</a> .
AIRBAG DISPOSAL COMPLETION	B1426	Collision has been detected. Air bag diagnosis sensor unit has not yet been replaced following repairs.	

Without CONSULT

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	1	Collision detection / Control unit	<a href="#">SRC-101, "Diagnosis Procedure"</a>

#### 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-101, "Diagnosis Procedure"](#).
- NO >> Inspection End.

### Diagnosis Procedure

INFOID:000000008659207

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

# B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

## B142A IGNITION VOLTAGE

### Description

INFOID:000000008738438

#### DTC B142A IGNITION VOLTAGE

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

#### PART LOCATION

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

### DTC Logic

INFOID:000000008738439

#### DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
IGN VOLTAGE [LOW]	B142A	Ignition voltage low at air bag diagnosis sensor unit.	Refer to <a href="#">SRC-102, "Diagnosis Procedure"</a> .
IGN VOLTAGE [HIGH]		Ignition voltage high at air bag diagnosis sensor unit.	

#### 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-102, "Diagnosis Procedure"](#).

NO >> Inspection End.

### Diagnosis Procedure

INFOID:000000008738442

#### NOTE:

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

##### 1.HARNES CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

##### 2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

##### 3.AIR BAG DIAGNOSIS SENSOR UNIT

## B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

---

Replace the air bag diagnosis sensor unit. Refer to [SR-26. "Removal and Installation"](#).

>> GO TO 4

### 4.RELATED HARNESS

---

Replace the related harness.

>> END

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# U1000 CAN COMM CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## U1000 CAN COMM CIRCUIT

### Description

INFOID:000000008730785

CAN (Controller Area Network) is a serial communication system for real time application. It is an on-vehicle multiplex communication system with high data communication speed and excellent error detection ability. Many electronic control units are equipped into vehicles, and each control unit shares information and links with other control units during operation. With CAN communication, control units are connected with two communication lines (CAN-H line, CAN-L line) allowing a high rate of information transmission with less wiring. Each control unit transmits and receives data but selectively reads required data only. Refer to [LAN-32, "CAN COMMUNICATION SYSTEM : CAN Communication Signal Chart"](#).

### DTC Logic

INFOID:000000008730786

#### DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
CAN COMMUNICATION FAILURE	U1000	When air bag diagnosis sensor unit is not transmitting or receiving CAN communication signals for 2 or more seconds.	Refer to <a href="#">SRC-104, "Diagnosis Procedure"</a> .

#### DTC CONFIRMATION PROCEDURE

##### 1.PERFORM SELF-DIAGNOSIS

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

##### Is DTC detected?

- YES >> Refer to [SRC-104, "Diagnosis Procedure"](#).  
NO >> Refer to [GI-47, "Intermittent Incident"](#).

### Diagnosis Procedure

INFOID:000000008730787

##### 1.CHECK CAN COMMUNICATION SYSTEM

Check CAN communication system. Refer to [LAN-18, "Trouble Diagnosis Flow Chart"](#).

>> Inspection End.



# U1010 CONTROL UNIT (CAN)

< DTC/CIRCUIT DIAGNOSIS >

## U1010 CONTROL UNIT (CAN)

### Description

INFOID:000000008730788

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

### DTC Logic

INFOID:000000008730789

### DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
CAN CONTROL UNIT FAILURE	U1010	CAN communication error is detected in control unit.	Refer to <a href="#">SRC-105. "Diagnosis Procedure"</a> .

### DTC CONFIRMATION PROCEDURE

#### 1.PERFORM SELF-DIAGNOSIS

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

#### Is DTC detected?

- YES >> Refer to [SRC-105. "Diagnosis Procedure"](#).  
NO >> Inspection End.

### Diagnosis Procedure

INFOID:000000008730790

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

Replace air bag diagnosis sensor unit. Refer to [SR-26. "Removal and Installation"](#).

>> Inspection End.

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SRC

# SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

---

## SYMPTOM DIAGNOSIS

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

#### AIR BAG Warning Lamp Does Not Turn On

INFOID:000000008659208

#### 1. CHECK METER FUSE

---

Check the 10A fuse [No. 13, located in the fuse block (J/B)].

Is the fuse blown?

YES >> GO TO 2

NO >> GO TO 3

#### 2. REPLACE METER FUSE AND CHECK AGAIN

---

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

Does the fuse blow again?

YES >> Replace fuse and harness.

NO >> Inspection End.

#### 3. CHECK HARNESS CONNECTIONS BETWEEN AIR BAG DIAGNOSIS SENSOR UNIT AND COMBINATION METER

---

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

Do the harness or connectors have any visible damage?

YES >> Replace harness.

NO >> GO TO 4

#### 4. CHECK COMBINATION METER

---

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

Does AIR BAG warning lamp turn on?

YES >> Replace the air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

NO >> Replace the combination meter. Refer to [MWI-81, "Removal and Installation"](#).

# SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

## SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

### AIR BAG Warning Lamp Does Not Turn Off

INFOID:000000008659209

#### 1.CHECK CONDITION OF AIR BAG MODULE

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

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

- YES >> Refer to [SR-5. "For Frontal Collision"](#) or [SR-7. "For Side and Rollover Collision"](#).
- NO >> GO TO 2

#### 2.CHECK THE AIR BAG FUSE

Check 10A fuse [No. 32, located in the fuse block (J/B)].

Is the fuse blown?

- YES >> GO TO 3
- NO >> GO TO 4

#### 3.CHECK AIR BAG FUSE AGAIN

Replace 10A fuse [No. 32, located in the fuse block (J/B)] and turn ignition switch ON.

Does the fuse blow again?

- YES >> Replace fuse and harness.
- NO >> Inspection End.

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

Connect CONSULT.

Is "AIR BAG" displayed on CONSULT?

- YES >> GO TO 5
- NO >> Visually inspect the air bag diagnosis sensor unit harness connections. If the connections are OK, replace the air bag diagnosis sensor unit. Refer to [SR-26. "Removal and Installation"](#).

#### 5.CHECK HARNESS CONNECTION

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

Are there any loose connections?

- YES >> Properly connect the combination meter and air bag diagnosis sensor unit harness connectors. If AIR BAG warning lamp still does not turn off, replace the wiring harness.
- NO >> Replace air bag diagnosis sensor unit. Refer to [SR-26. "Removal and Installation"](#).

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SRC

# SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

---

## SEAT BELT WARNING SYSTEM

### Seat Belt Warning System Does Not Function

INFOID:000000008659210

(For US/CAN models only)

#### 1. SEAT BELT WARNING LIGHT

---

Turn ignition switch ON.

Does the seat belt warning lamp come ON?

YES >> GO TO 2

- NO >>
- Check 10A fuse [No. 13, located in the fuse block (J/B)].
  - Check seat belt buckle switch (driver seat).
  - Check harness between combination meter and seat belt buckle switch (driver seat).
  - Check combination meter. Refer to [MWI-27. "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-26. "Removal and Installation"](#).