

# 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:000000012521422

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

#### **WARNING:**

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

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

#### **WARNING:**

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

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

INFOID:000000012521423

- 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

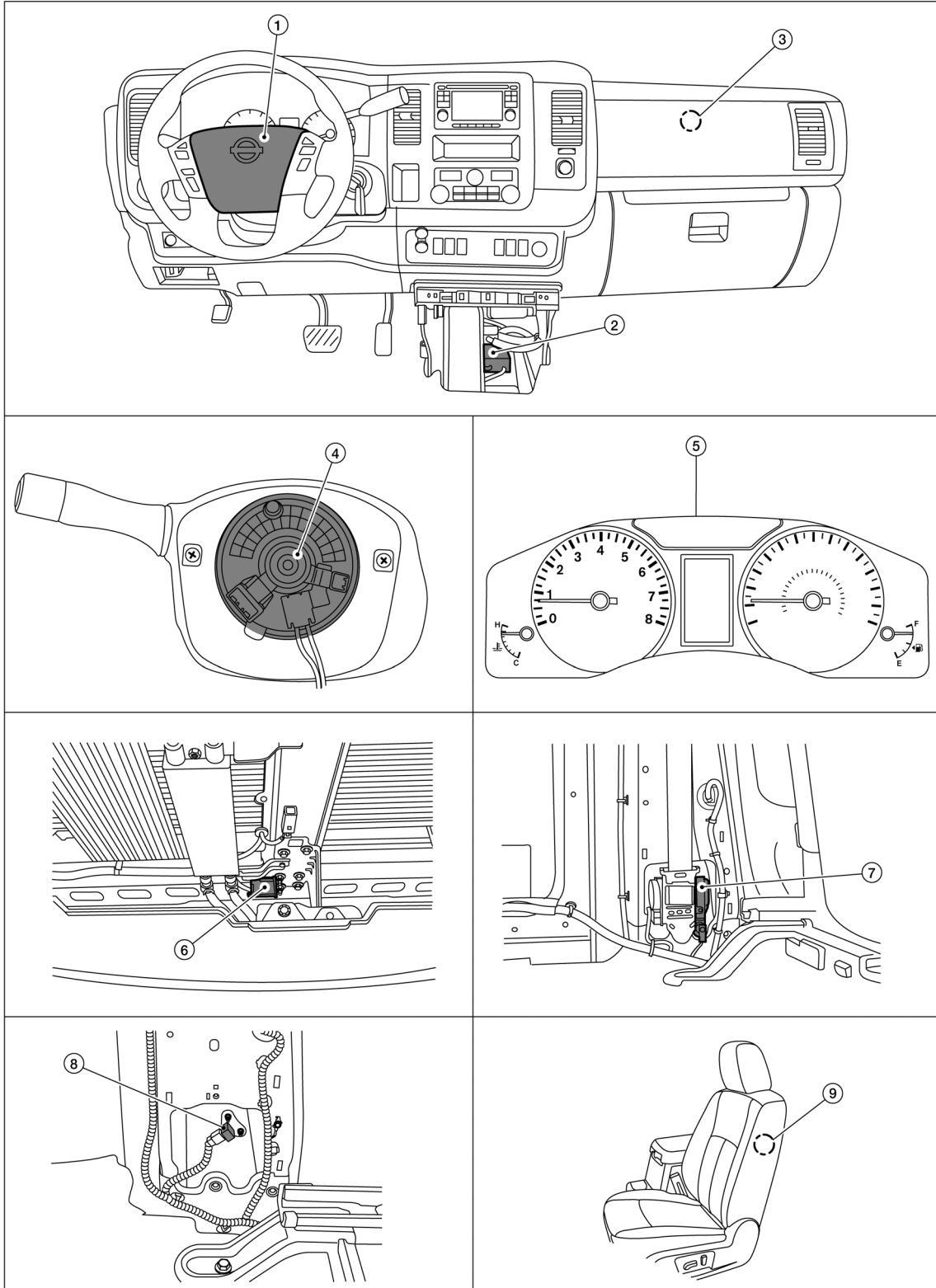
< SYSTEM DESCRIPTION >

## SYSTEM DESCRIPTION

### COMPONENT PARTS

#### Component Parts Location

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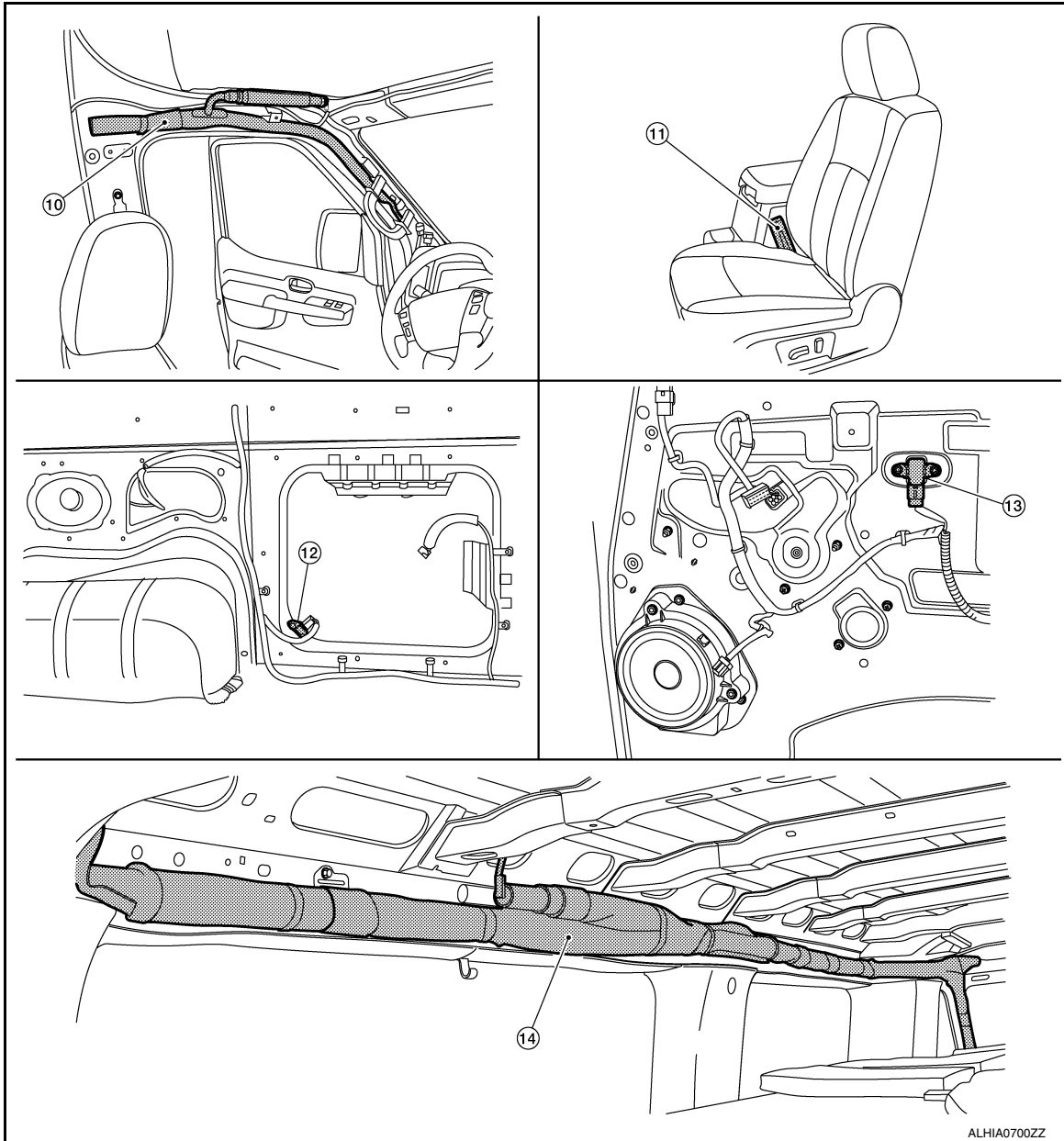


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# COMPONENT PARTS

## < SYSTEM DESCRIPTION >



- |  |  |   |
|--|--|---|
| 1. Driver air bag module   | 2. Air bag diagnosis sensor unit<br>(view with instrument lower center cover removed)  | 3. Front passenger air bag module   |
| 4. Spiral cable<br>(view with steering wheel removed)  | 5. Combination meter   | 6. Crash zone sensor<br>(view with front grill removed)   |
| 7. Front LH seat belt pre-tensioner (RH similar)<br>(view with lower center pillar cover removed)        | 8. Front side air bag satellite sensor LH (RH similar)<br>(view with front LH seat belt pre-tensioner removed)                             | 9. Front LH side air bag module (RH similar)  |
| 10. LH side front curtain air bag module (RH similar)<br>(view with headliner and A-pillar trim removed) | 11. Seat belt buckle switch LH (RH similar)  | 12. Rear side air bag satellite sensor LH (If equipped)<br>(view with lower luggage finish panel removed) |
| 13. Front door satellite sensor RH (LH similar)  | 14. LH side rear curtain air bag module (RH similar) (If equipped)<br>(view with headliner, upper and lower luggage finish panels removed) |   |

# COMPONENT PARTS

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## Component Description

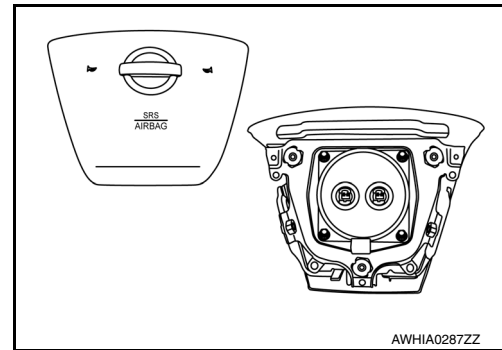
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Component	Function
Air bag diagnosis sensor unit	Refer to <a href="#">SRC-8, "Air Bag Diagnosis Sensor Unit"</a> .
Driver air bag module	Refer to <a href="#">SRC-7, "Driver Air Bag Module"</a> .
Front passenger air bag module	Refer to <a href="#">SRC-7, "Front Passenger Air Bag Module"</a> .
Front side air bag module	Refer to <a href="#">SRC-8, "Front Side Air Bag"</a> .
Side front curtain air bag module	Refer to <a href="#">SRC-8, "Side Curtain Air Bag"</a> .
Side rear curtain air bag module	Refer to <a href="#">SRC-8, "Side Curtain Air Bag"</a> .
Front seat belt pre-tensioner	Refer to <a href="#">SRC-8, "Front Seat Belt Pre-tensioner"</a> .
Crash zone sensor	Refer to <a href="#">SRC-9, "Crash Zone Sensor"</a> .
Side air bag satellite sensor	Refer to <a href="#">SRC-9, "Side Air Bag Satellite Sensor"</a> .
Front door satellite sensor	Refer to <a href="#">SRC-9, "Front Door Satellite Sensor"</a> .
Seat belt buckle switch	The seat belt buckle switches (LH/RH) 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 driver/passenger seat belt warning lamps. The air bag warning lamp is used in diagnosis in User Mode and may be used to display diagnostic trouble codes without the use of the CONSULT.

### Driver Air Bag Module

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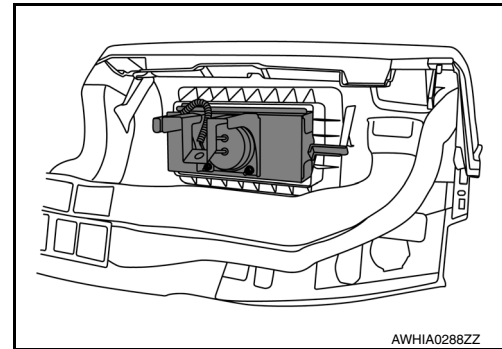
The driver air bag module is dual stage and located in the steering wheel assembly. It operates with the SRS system in a frontal collision exceeding a specified level.



### Front Passenger Air Bag Module

INFOID:000000012521427

The front passenger air bag module is dual stage and located behind the instrument panel assembly. It is dual stage and operates with the SRS system in a frontal collision exceeding a specified level.



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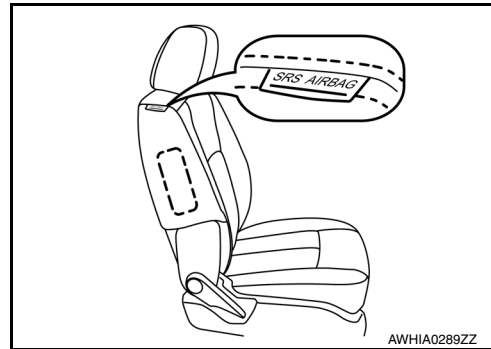
# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

### Front Side Air Bag

INFOID:000000012521428

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

INFOID:000000012521429

Front and rear side curtain air bag modules are located above the vehicle headlining. Vehicles with side curtain air bags are equipped with labels on the B-pillar and C-pillar upper finishers as shown.



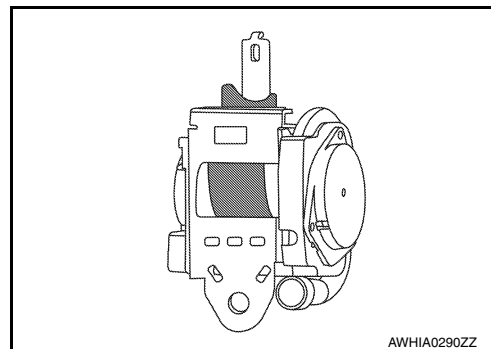
### Front Seat Belt Pre-tensioner

INFOID:000000012521430

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 or rollover collision with an impact exceeding a specified level.

When the frontal collision with an impact exceeding a specified level occurs, seat belt slack resulting from clothing or other factors is immediately taken up by the pre-tensioner. Vehicle passengers are securely restrained.

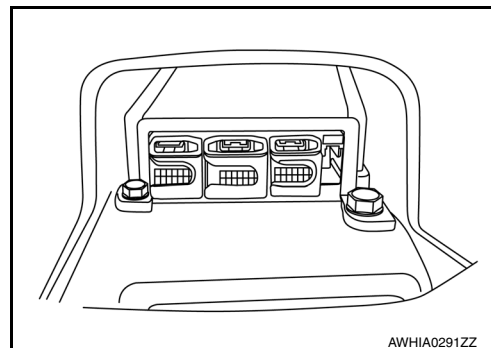
When passengers in a vehicle are thrown forward in a collision and the restraining force of the seat belt exceeds a specified level, the load limiter permits the specified extension of the seat belt by the twisting of the ELR shaft, and a relaxation of the chest-area seat belt web tension while maintaining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



### Air Bag Diagnosis Sensor Unit

INFOID:000000012521431

The air bag diagnosis sensor unit is located under the instrument lower center cover. 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.





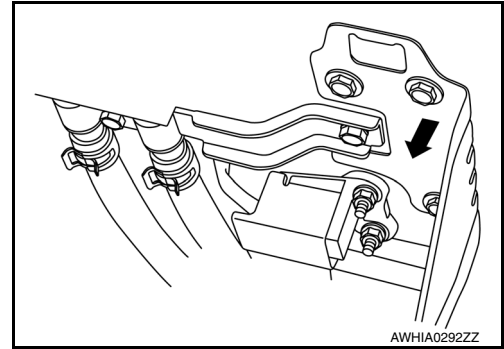
# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

### Crash Zone Sensor

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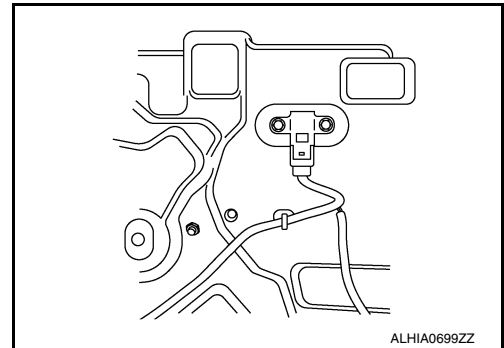
The crash zone sensor is located behind the front grill on the center radiator support. The crash zone sensor sends signals to the air bag diagnosis sensor unit during a frontal collision. This sensor may be identified by a yellow connector.



### Front Door Satellite Sensor

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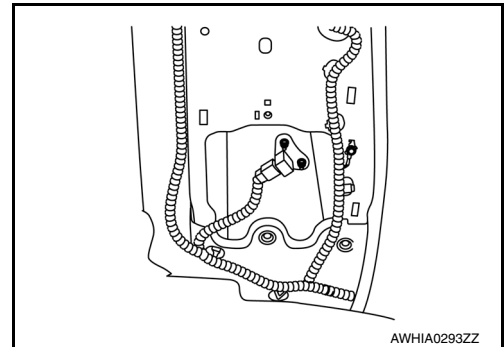
The front door satellite sensors are located in the driver and passenger doors. The front door satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors are identified by yellow connectors.



### Side Air Bag Satellite Sensor

INFOID:000000012521433

The front side air bag satellite sensors are located on the B-pillar LH (shown) and RH behind the seat belt pretensioners. The rear side air bag satellite sensors are located on the C-pillar LH and RH. The 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.



### Direct-connect SRS Component Connectors

INFOID:000000012521434

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

- Driver air bag module
- Front passenger 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

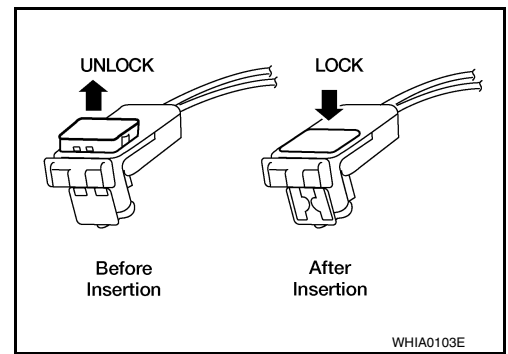
Always pull up to release locking tab prior to removing connector from SRS component.

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## COMPONENT PARTS

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



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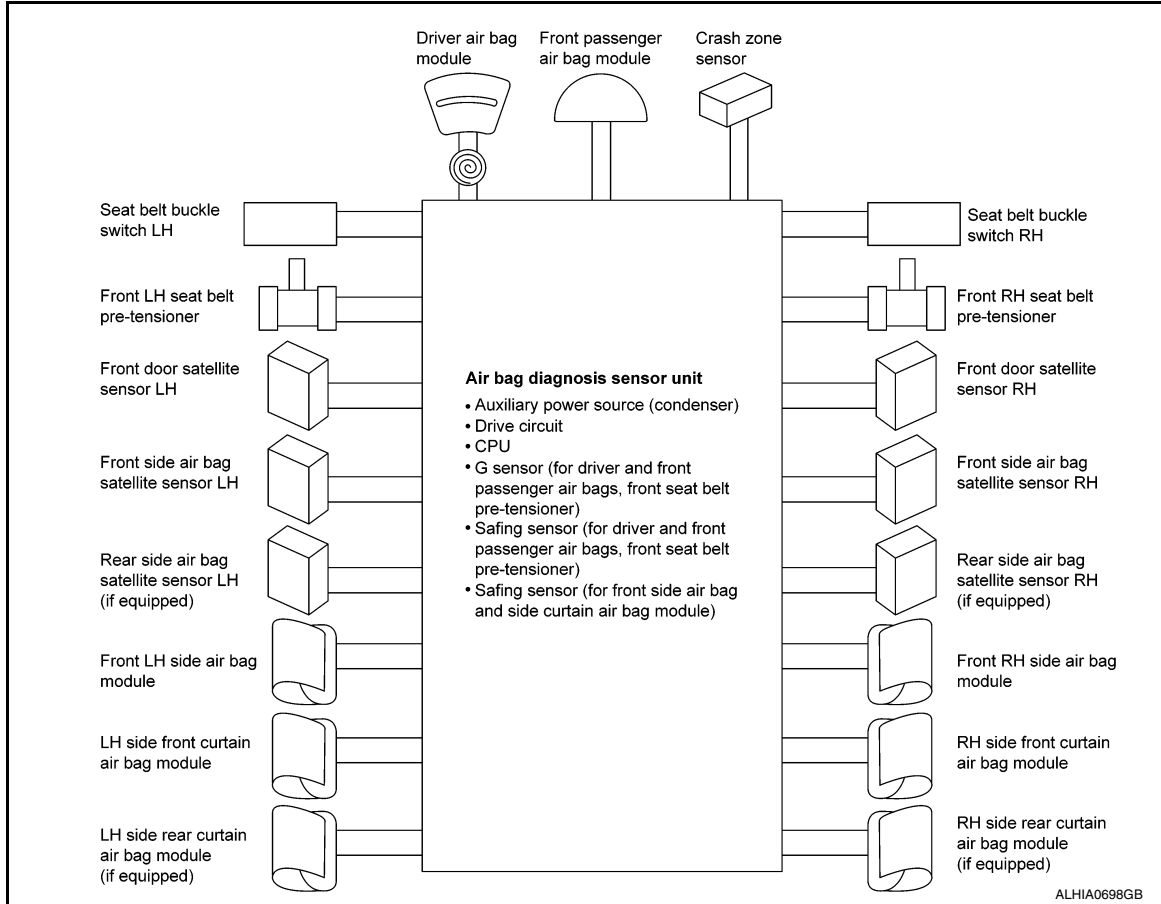
< SYSTEM DESCRIPTION >

## SYSTEM

### SRS AIR BAG SYSTEM

#### SRS AIR BAG SYSTEM : System Diagram

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#### SRS AIR BAG SYSTEM : System Description

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- The air bag deploys if the air bag diagnosis sensor unit is activated while the ignition switch is in the ON or START position.
- The collision modes for which supplemental restraint systems are activated are different among the SRS systems. For example, the driver air bag module, front passenger air bag module and front seat belt pre-tensioners are activated in a frontal collision but not in a side collision.

#### SRS Collision Modes

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

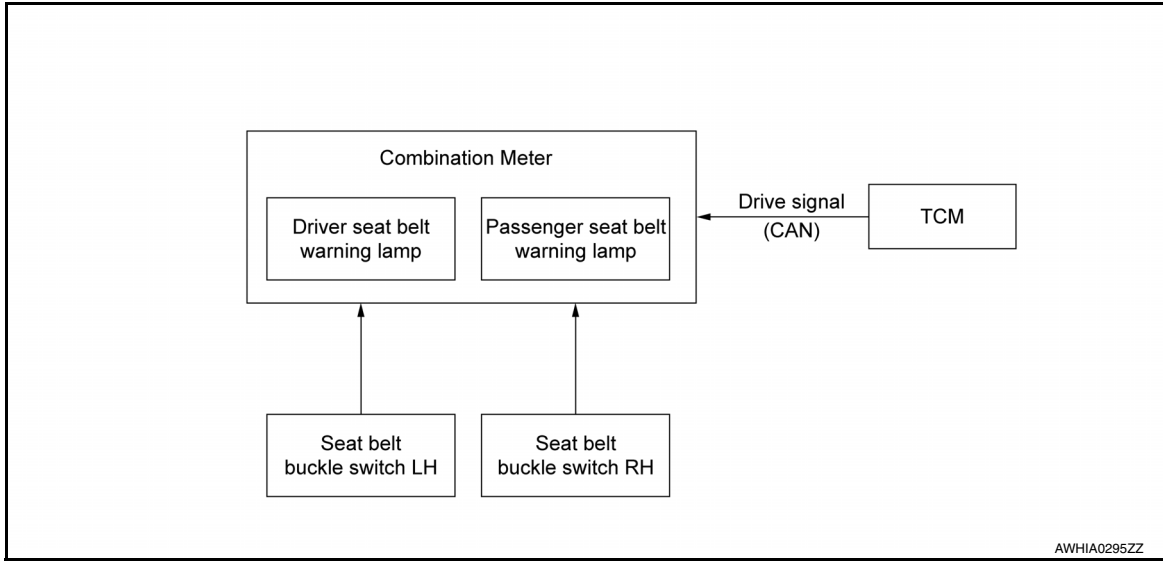
# SYSTEM

< SYSTEM DESCRIPTION >

## SEAT BELT WARNING LAMP SYSTEM

### SEAT BELT WARNING LAMP SYSTEM : System Diagram

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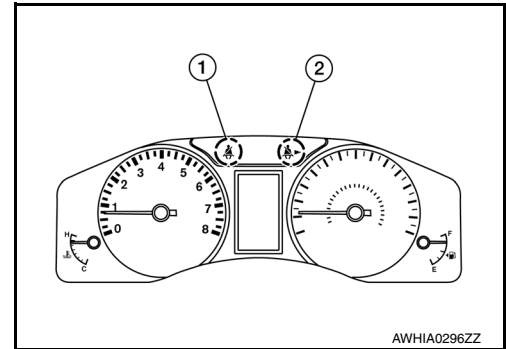


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### SEAT BELT WARNING LAMP SYSTEM : System Description

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The seat belt warning system will remind the driver if the driver or front passenger seat belt should be buckled by turning on the driver (1) or passenger (2) seat belt warning lamps. See the Seat Belt Warning System table below for more information.



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### Seat Belt Warning System

Driver seat status (Ignition switch ON)	Seat belt buckle switch LH status	Seat belt buckle switch RH status	Vehicle (Park)	Vehicle (Drive) (< 30s)	Vehicle (Drive) (> 30s)	Driver seat belt warning lamp	Passenger seat belt warning lamp	
Seat occupied	Buckled	Unbuckled	Yes	No	No	Off	On	
			No	Yes	No			
			No	No	Yes			
	Unbuckled	Unbuckled	Buckled	—	—	—	On	On
				Yes	No	No		
				No	Yes	No		
Unbuckled	Buckled	Unbuckled	No	No	Yes	On	Off	
			—	—	—			

# DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

## DIAGNOSIS SYSTEM (AIR BAG)

### Diagnosis Description

INFOID:000000012521439

#### 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.

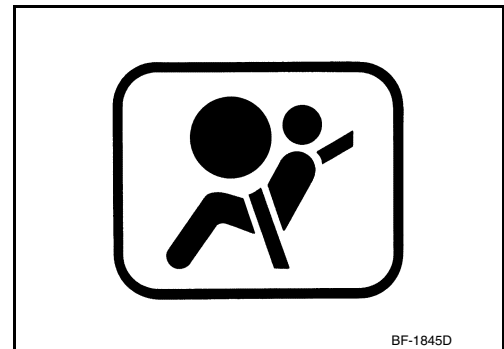
	User Mode	Diagnosis Mode	Display type
AIR BAG warning lamp	X	X	ON/OFF
CONSULT	—	X	Monitoring

### SRS Operation Check

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#### USER MODE

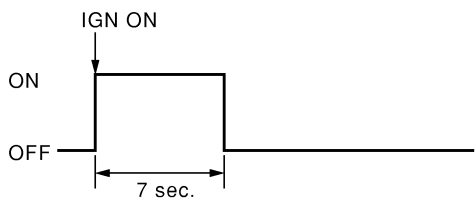
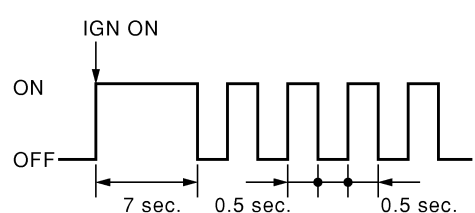
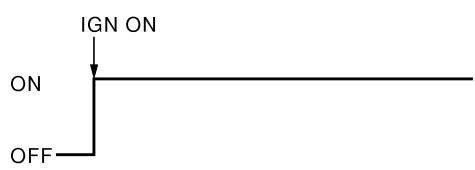
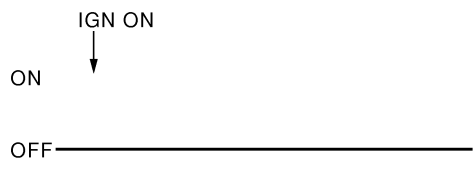
1. Turn the ignition switch from OFF to ON and check that the air bag warning lamp blinks.
2. Compare the blinking pattern with the examples in the table.



# DIAGNOSIS SYSTEM (AIR BAG)

## < SYSTEM DESCRIPTION >

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

Warning lamp	SRS condition	Reference item
 <p>SHIA0011E</p>	<ul style="list-style-type: none"> <li>No malfunction is detected.</li> <li>No further action is necessary.</li> </ul>	—
 <p>SHIA0012E</p>	The system is malfunctioning and needs to be repaired.	Refer to <a href="#">SRC-14, "Trouble Diagnosis with CONSULT"</a> or <a href="#">SRC-15, "Trouble Diagnosis without CONSULT"</a> .
 <p>SHIA0013E</p>	<ul style="list-style-type: none"> <li>Air bag is deployed.</li> <li>Seat belt pre-tensioner is deployed.</li> <li>Air bag diagnosis sensor unit is malfunctioning.</li> <li>Air bag power supply circuit is malfunctioning.</li> <li>SRS air bag warning lamp circuit is malfunctioning.</li> </ul>	Refer to <a href="#">SR-5, "For Frontal Collision"</a> or <a href="#">SR-7, "For Side and Rollover Collision"</a> .
 <p>SHIA0014E</p>	<ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit is malfunctioning.</li> <li>Air bag warning lamp circuit is malfunctioning.</li> </ul>	Refer to <a href="#">SRC-104, "AIR BAG Warning Lamp Does Not Turn On"</a> .

## Trouble Diagnosis with CONSULT

INFOID:000000012521441

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-15, "SRS Final Check"](#).
- SRS system malfunctions intermittently. Refer to [SRC-42, "Inspection Procedure"](#).

# DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

## Trouble Diagnosis without CONSULT

INFOID:000000012521442

### 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-19, "Flash Code Index"](#).

### SRS History Check

INFOID:000000012521443

#### SRS HISTORY CHECK

1. Check repair history of the SRS. If no repairs have been made perform [SRC-13, "SRS Operation Check"](#). If repairs have been made GO TO step 2.
2. Erase "SELF-DIAG [PAST]" after repair. Refer to [SRC-15, "SRS Final Check"](#).

### SRS Final Check

INFOID:000000012521444

### DIAGNOSIS MODE

1. Connect CONSULT.
2. If no DTCs are detected on "SELF-DIAG RESULTS [CURRENT]", repair of SRS is completed. Go to step 3.

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-13, "SRS Operation Check"](#).

3. 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.

4. Check that no malfunction is detected in "SELF-DIAG [PAST]".
5. Exit Diagnosis Mode and disconnect the CONSULT.
6. Perform SRS Operation Check. Refer to [SRC-13, "SRS Operation Check"](#).

### CONSULT Function (AIR BAG)

INFOID:000000012521445

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

Diagnostic Test Mode	Diagnostic Item	Description
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.
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.
Function Test	CAR COMPUTER DIAG.	System wide test results are indicated.
Special function	SELF-DIAG [PAST]	Diagnosis results previously stored in the memory are displayed on the CONSULT screen. The stored results will remain until memory erasing is executed.
	TROUBLE DIAG RECORD	With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on the CONSULT screen.
	SELF-DIAG RESULT [CAN]	A current Self-diagnosis result [CAN] is displayed on the CONSULT screen in real time. Self-diagnosis result [CAN] can not be erased.
	CAUSE OF WARNING	Intermittent conditions not recorded as a DTC can be reviewed.

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

## ECU DIAGNOSIS INFORMATION

### DIAGNOSIS SENSOR UNIT

#### DTC Index

INFOID:000000012833724

DTC	Diagnostic item	Reference page
U1000-01	CAN COMM CIRCUIT	<a href="#">SRC-43. "Diagnosis Procedure"</a>
U1010-49	CONTROL UNIT (CAN)	<a href="#">SRC-44. "Diagnosis Procedure"</a>
B0001-11	DRIVER AIRBAG MODULE [GND-SHORT]	<a href="#">SRC-46. "Diagnosis Procedure"</a>
B0001-12	DRIVER AIRBAG MODULE [VB-SHORT]	
B0001-13	DRIVER AIRBAG MODULE [OPEN]	
B0001-1A	DRIVER AIRBAG MODULE [SHORT]	
B0002-00	DRIVER AIRBAG MODULE 2 [SHORT]	<a href="#">SRC-46. "Diagnosis Procedure"</a>
B0002-11	DRIVER AIRBAG MODULE 2 [GND-SHORT]	
B0002-12	DRIVER AIRBAG MODULE 2 [VB-SHORT]	
B0002-13	DRIVER AIRBAG MODULE 2 [OPEN]	
B0002-1A	DRIVER AIRBAG MODULE 2 [SHORT]	
B0010-11	ASSIST A/B MODULE [GND-SHORT]	<a href="#">SRC-49. "Diagnosis Procedure"</a>
B0010-12	ASSIST A/B MODULE [VB-SHORT]	
B0010-13	ASSIST A/B MODULE [OPEN]	
B0010-1A	ASSIST A/B MODULE [SHORT]	
B0011-11	ASSIST A/B MODULE 2 [GND-SHORT]	<a href="#">SRC-49. "Diagnosis Procedure"</a>
B0011-12	ASSIST A/B MODULE 2 [VB-SHORT]	
B0011-13	ASSIST A/B MODULE 2 [OPEN]	
B0011-1A	ASSIST A/B MODULE 2 [SHORT]	
B0020-11	SIDE A/B MODULE LH [GND-SHORT]	<a href="#">SRC-51. "Diagnosis Procedure"</a>
B0020-12	SIDE A/B MODULE LH [VB-SHORT]	
B0020-13	SIDE A/B MODULE LH [OPEN]	
B0020-1A	SIDE A/B MODULE LH [SHORT]	<a href="#">SRC-54. "Diagnosis Procedure"</a>
B0021-11	CURTAIN A/B MODULE LH [GND-SHORT]	
B0021-12	CURTAIN A/B MODULE LH [VB-SHORT]	
B0021-13	CURTAIN A/B MODULE LH [OPEN]	
B0021-1A	CURTAIN A/B MODULE LH [SHORT]	
B0022-11	FR CURTAIN A/B MODULE LH [GND-SHORT]	<a href="#">SRC-57. "Diagnosis Procedure"</a>
B0022-12	FR CURTAIN A/B MODULE LH [VB-SHORT]	
B0022-13	FR CURTAIN A/B MODULE LH [OPEN]	
B0022-1A	FR CURTAIN A/B MODULE LH [SHORT]	<a href="#">SRC-60. "Diagnosis Procedure"</a>
B0028-11	SIDE A/B MODULE RH [GND-SHORT]	
B0028-12	SIDE A/B MODULE RH [VB-SHORT]	
B0028-13	SIDE A/B MODULE RH [OPEN]	
B0028-1A	SIDE A/B MODULE RH [SHORT]	



# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Reference page	
B0029-11	CURTAIN A/B MODULE RH [GND-SHORT]	<a href="#">SRC-63. "Diagnosis Procedure"</a>	A
B0029-12	CURTAIN A/B MODULE RH [VB-SHORT]		B
B0029-13	CURTAIN A/B MODULE RH [OPEN]		
B0029-1A	CURTAIN A/B MODULE RH [SHORT]		
B002A-11	FR CURTAIN A/B MODULE RH [GND-SHORT]	<a href="#">SRC-66. "Diagnosis Procedure"</a>	C
B002A-12	FR CURTAIN A/B MODULE RH [VB-SHORT]		
B002A-13	FR CURTAIN A/B MODULE RH [OPEN]		
B002A-1A	FR CURTAIN A/B MODULE RH [SHORT]		D
B0091-23	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]	<a href="#">SRC-70. "Diagnosis Procedure"</a>	E
B0091-24	B-PILLAR SAT SEN LH [UPPER LIMIT ERR]		
B0091-25	B-PILLAR SAT SEN LH [SELF-DIAG ERR]		
B0091-28	B-PILLAR SAT SEN LH [OFFSET ERR]		
B0091-81	B-PILLAR SAT SEN LH [COMM ERR]		F
B0091-86	B-PILLAR SAT SEN LH [UNMATCH]		
B0091-88	B-PILLAR SAT SEN LH [OPEN]		
B0091-93	B-PILLAR SAT SEN LH [RESET]		G
B0092-23	C-PILLAR SAT SEN LH [LOWER LIMIT ERR]	<a href="#">SRC-73. "Diagnosis Procedure"</a>	
B0092-24	C-PILLAR SAT SEN LH [UPPER LIMIT ERR]		
B0092-25	C-PILLAR SAT SEN LH [SELF-DIAG ERR]		
B0092-28	C-PILLAR SAT SEN LH [OFFSET ERR]		
B0092-81	C-PILLAR SAT SEN LH [COMM ERR]		
B0092-86	C-PILLAR SAT SEN LH [UNMATCH]		
B0092-88	C-PILLAR SAT SEN LH [DISCONNECT]		
B0092-93	C-PILLAR SAT SEN LH [RESET]		J
B0093-23	DOOR SATEL SENS LH [LOWER LIMIT ERR]	<a href="#">SRC-76. "Diagnosis Procedure"</a>	
B0093-24	DOOR SATEL SENS LH [UPPER LIMIT ERR]		
B0093-25	DOOR SATEL SENS LH [SELF-DIAG ERR]		
B0093-28	DOOR SATEL SENS LH [OFFSET ERR]		
B0093-81	DOOR SATEL SENS LH [COMM ERR]		
B0093-86	DOOR SATEL SENS LH [UNMATCH]		
B0093-88	DOOR SATEL SENS LH [OPEN]		
B0093-93	DOOR SATEL SENS LH [RESET]		M
B0094-23	CRASH ZONE SENS [LOWER LIMIT ERR]	<a href="#">SRC-79. "Diagnosis Procedure"</a>	
B0094-24	CRASH ZONE SENS [UPPER LIMIT ERR]		
B0094-25	CRASH ZONE SENS [SELF-DIAG ERR]		
B0094-28	CRASH ZONE SENS [OFFSET ERR]		
B0094-81	CRASH ZONE SENS [COMM ERR]		
B0094-86	CRASH ZONE SENS [UNMATCH]		
B0094-88	CRASH ZONE SENS [OPEN]		
B0094-93	CRASH ZONE SENS [RESET]	P	

SRC

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Reference page
B0096-23	B-PILLAR SAT SEN RH [LOWER LIMIT ERR]	<a href="#">SRC-82. "Diagnosis Procedure"</a>
B0096-24	B-PILLAR SAT SEN RH [UPPER LIMIT ERR]	
B0096-25	B-PILLAR SAT SEN RH [SELF-DIAG ERR]	
B0096-28	B-PILLAR SAT SEN RH [OFFSET ERR]	
B0096-81	B-PILLAR SAT SEN RH [COMM ERR]	
B0096-86	B-PILLAR SAT SEN RH [UNMATCH]	
B0096-88	B-PILLAR SAT SEN RH [OPEN]	
B0096-93	B-PILLAR SAT SEN RH [RESET]	
B0097-23	C-PILLAR SAT SEN RH [LOWER LIMIT ERR]	<a href="#">SRC-85. "Diagnosis Procedure"</a>
B0097-24	C-PILLAR SAT SEN RH [UPPER LIMIT ERR]	
B0097-25	C-PILLAR SAT SEN RH [SELF-DIAG ERR]	
B0097-28	C-PILLAR SAT SEN RH [OFFSET ERR]	
B0097-81	C-PILLAR SAT SEN RH [COMM ERR]	
B0097-86	C-PILLAR SAT SEN RH [UNMATCH]	
B0097-88	C-PILLAR SAT SEN RH [OPEN]	
B0097-93	C-PILLAR SAT SEN RH [RESET]	
B0098-23	DOOR SATEL SENS RH [LOWER LIMIT ERR]	<a href="#">SRC-88. "Diagnosis Procedure"</a>
B0098-24	DOOR SATEL SENS RH [UPPER LIMIT ERR]	
B0098-25	DOOR SATEL SENS RH [SELF-DIAG ERR]	
B0098-28	DOOR SATEL SENS RH [OFFSET ERR]	
B0098-81	DOOR SATEL SENS RH [COMM ERR]	
B0098-86	DOOR SATEL SENS RH [UNMATCH]	
B0098-88	DOOR SATEL SENS RH [OPEN]	
B0098-93	DOOR SATEL SENS RH [RESET]	
B1428-13	BUCKLE SW LH CIRCUIT [OPEN]	<a href="#">SRC-90. "Diagnosis Procedure"</a>
B1428-12	BUCKLE SW LH CIRCUIT [VB-SHORT]	
B1428-11	BUCKLE SW LH CIRCUIT [GND-SHORT]	
B1428-00	BUCKLE SW LH CIRCUIT [UNDEFINED]	
B1429-13	BUCKLE SW RH CIRCUIT [OPEN]	<a href="#">SRC-92. "Diagnosis Procedure"</a>
B1429-12	BUCKLE SW RH CIRCUIT [VB-SHORT]	
B1429-11	BUCKLE SW RH CIRCUIT [GND-SHORT]	
B1429-00	BUCKLE SW RH CIRCUIT [UNDEFINED]	
B1430-11	PRE-TEN FRONT LH [GND-SHORT]	<a href="#">SRC-94. "Diagnosis Procedure"</a>
B1430-12	PRE-TEN FRONT LH [VB-SHORT]	
B1430-13	PRE-TEN FRONT LH [OPEN]	
B1430-1A	PRE-TEN FRONT LH [SHORT]	
B1431-11	PRE-TEN FRONT RH [GND-SHORT]	<a href="#">SRC-96. "Diagnosis Procedure"</a>
B1431-12	PRE-TEN FRONT RH [VB-SHORT]	
B1431-13	PRE-TEN FRONT RH [OPEN]	
B1431-1A	PRE-TEN FRONT RH [SHORT]	
B142A-16	IGNITION VOLTAGE [VB-LOW]	<a href="#">SRC-98. "Diagnosis Procedure"</a>
B142A-17	IGNITION VOLTAGE [VB-HIGH]	

# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Reference page
B1400-00	CONTROL UNIT [UNIT MALFUNC]	<a href="#">SRC-101. "Diagnosis Procedure"</a>
B1401-00		
B1402-00		
B1403-00		
B1404-00		
B1405-00		
B1406-00		
B1407-00		
B1408-00		
B1409-00		
B1410-00		
B1411-00		
B1412-00		
B1413-00		
B1414-00		
B1415-00		
B1416-00		
B1417-00		
B1418-00		
B1419-00		
B1420-00		
B1421-00	FRONTAL COLLISION	<a href="#">SRC-101. "Diagnosis Procedure"</a>
B1422-00	SIDE COLLISION	<a href="#">SRC-101. "Diagnosis Procedure"</a>
B1427-55	ECU SETTING [NOT CONFIGURED]	<a href="#">SRC-103. "Diagnosis Procedure"</a>

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**SRC**

## Flash Code Index

INFOID:000000012833725

### WARNING LAMP FLASH CODE CHART

How to read flash codes

1. Put the vehicle in Diagnosis Mode. Refer to [SRC-15. "Trouble Diagnosis without CONSULT"](#).
2. All codes are followed by a seven second "holding" flash.
3. Identify how many primary flashes are displayed as well as the length of each primary flash.
4. Refer to the tables and examples below to determine which SRS subsystem the code belongs to.
5. Count the short secondary flashes that follow the primary flashes.
6. Match the correct flashing pattern to the malfunctioning component and perform the Diagnosis Procedure.

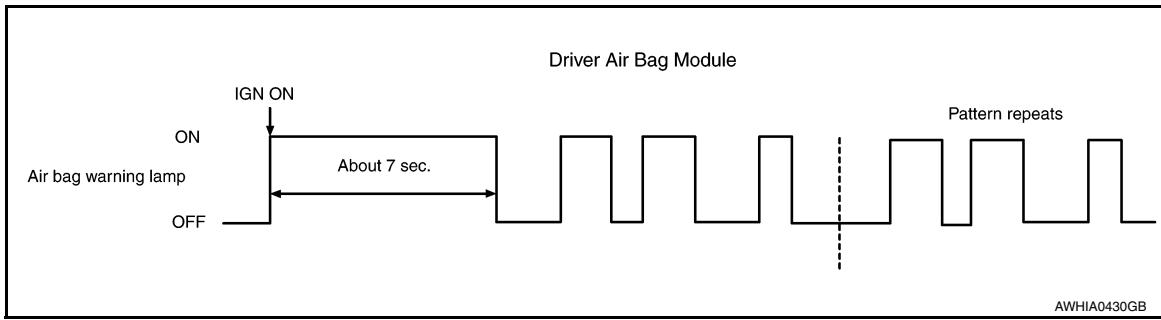
Refer to the illustrations below for an example of each flashing pattern.

Front subsystem

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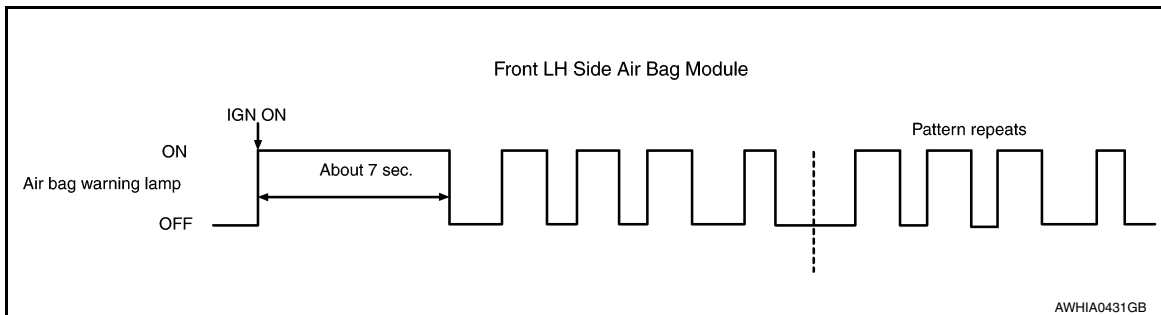
# DIAGNOSIS SENSOR UNIT

## < ECU DIAGNOSIS INFORMATION >



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	1	Driver air bag module	<a href="#">SRC-46. "Diagnosis Procedure"</a>
		2	Passenger air bag module	<a href="#">SRC-49. "Diagnosis Procedure"</a>
		3	Front LH seat belt pre-tensioner	<a href="#">SRC-94. "Diagnosis Procedure"</a>
		4	Front RH seat belt pre-tensioner	<a href="#">SRC-96. "Diagnosis Procedure"</a>

### Side subsystem

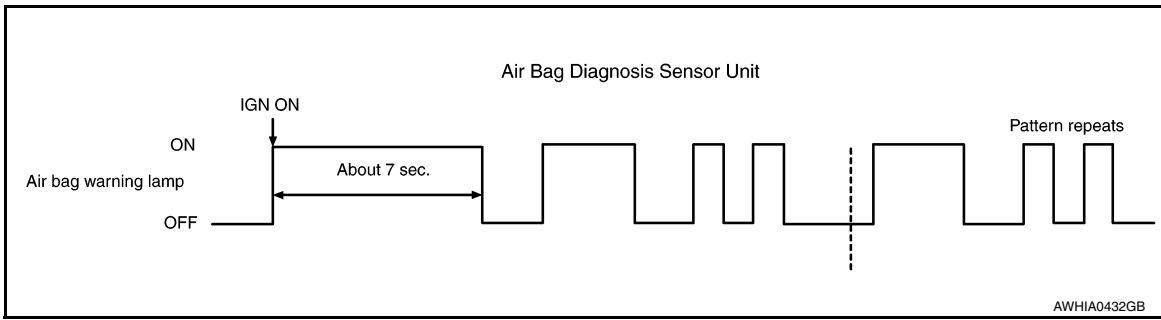


Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
3	1.5	1	Front LH side air bag module	<a href="#">SRC-51. "Diagnosis Procedure"</a>
		2	Front RH side air bag module	<a href="#">SRC-60. "Diagnosis Procedure"</a>
		3	LH side curtain air bag module	<a href="#">SRC-54. "Diagnosis Procedure"</a>
		4	RH side curtain air bag module	<a href="#">SRC-63. "Diagnosis Procedure"</a>
		5	FR LH side curtain air bag module	<a href="#">SRC-57. "Diagnosis Procedure"</a>
		6	FR RH side curtain air bag module	<a href="#">SRC-66. "Diagnosis Procedure"</a>

### Air bag subsystem

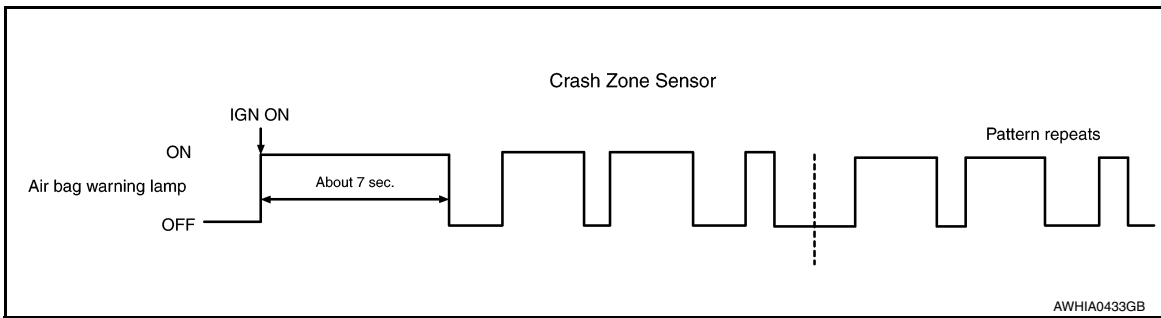
# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	1	Collision detection	<a href="#">SRC-100, "Diagnosis Procedure"</a>
		2	Air bag diagnosis sensor unit	<a href="#">SRC-101, "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-79, "Diagnosis Procedure"</a>
		2	Front side air bag satellite sensor LH	<a href="#">SRC-70, "Diagnosis Procedure"</a>
		3	Front side air bag satellite sensor RH	<a href="#">SRC-82, "Diagnosis Procedure"</a>
		4	Rear side air bag satellite sensor LH	<a href="#">SRC-73, "Diagnosis Procedure"</a>
		5	Rear side air bag satellite sensor RH	<a href="#">SRC-85, "Diagnosis Procedure"</a>
		6	Front door satellite sensor LH	<a href="#">SRC-76, "Diagnosis Procedure"</a>
		7	Front door satellite sensor RH	<a href="#">SRC-88, "Diagnosis Procedure"</a>
		8	Seat belt buckle switch LH	<a href="#">SRC-90, "Diagnosis Procedure"</a>
		9	Seat belt buckle switch RH	<a href="#">SRC-92, "Diagnosis Procedure"</a>

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SRC

# SRS AIR BAG CONTROL SYSTEM

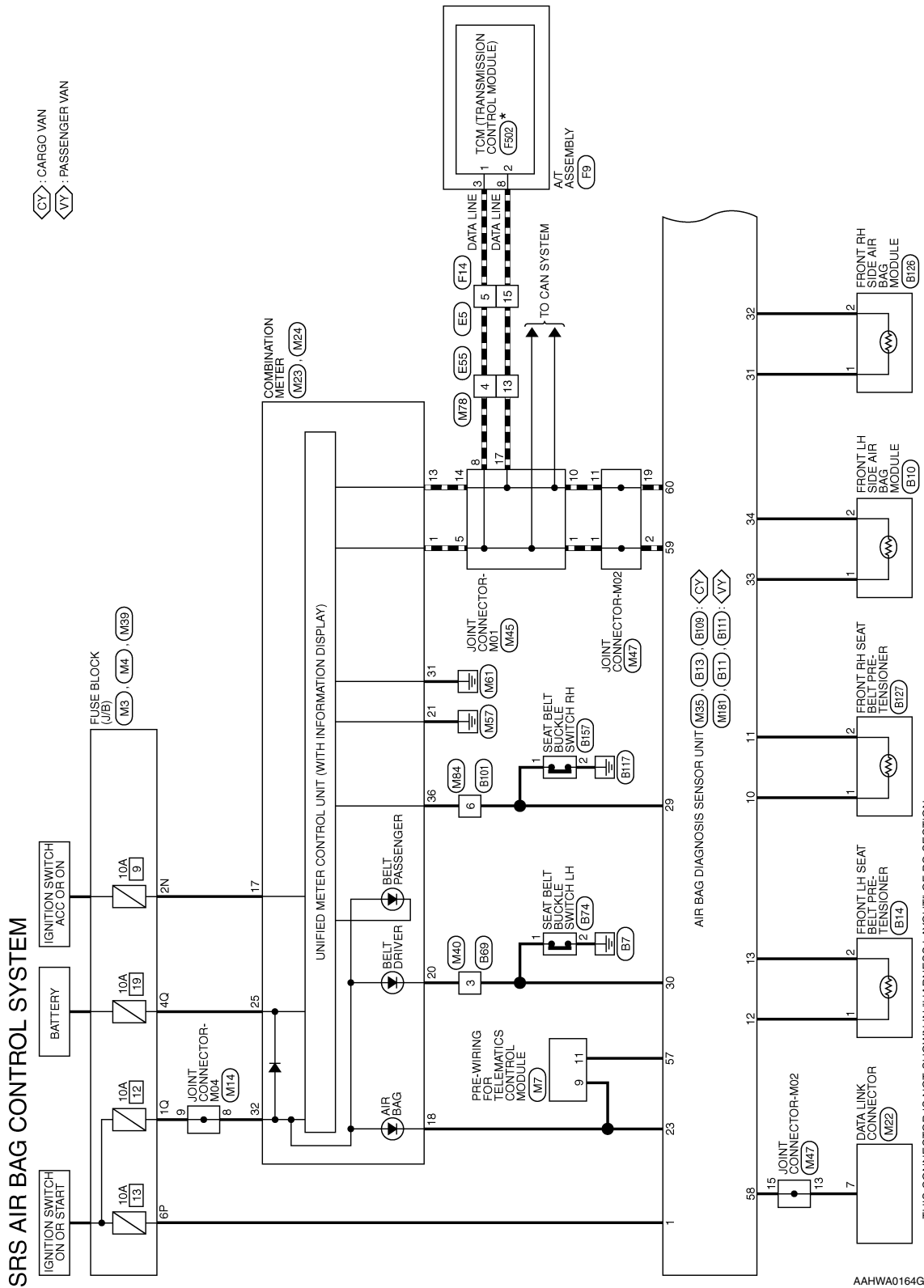
< WIRING DIAGRAM >

## WIRING DIAGRAM

### SRS AIR BAG CONTROL SYSTEM

Wiring Diagram

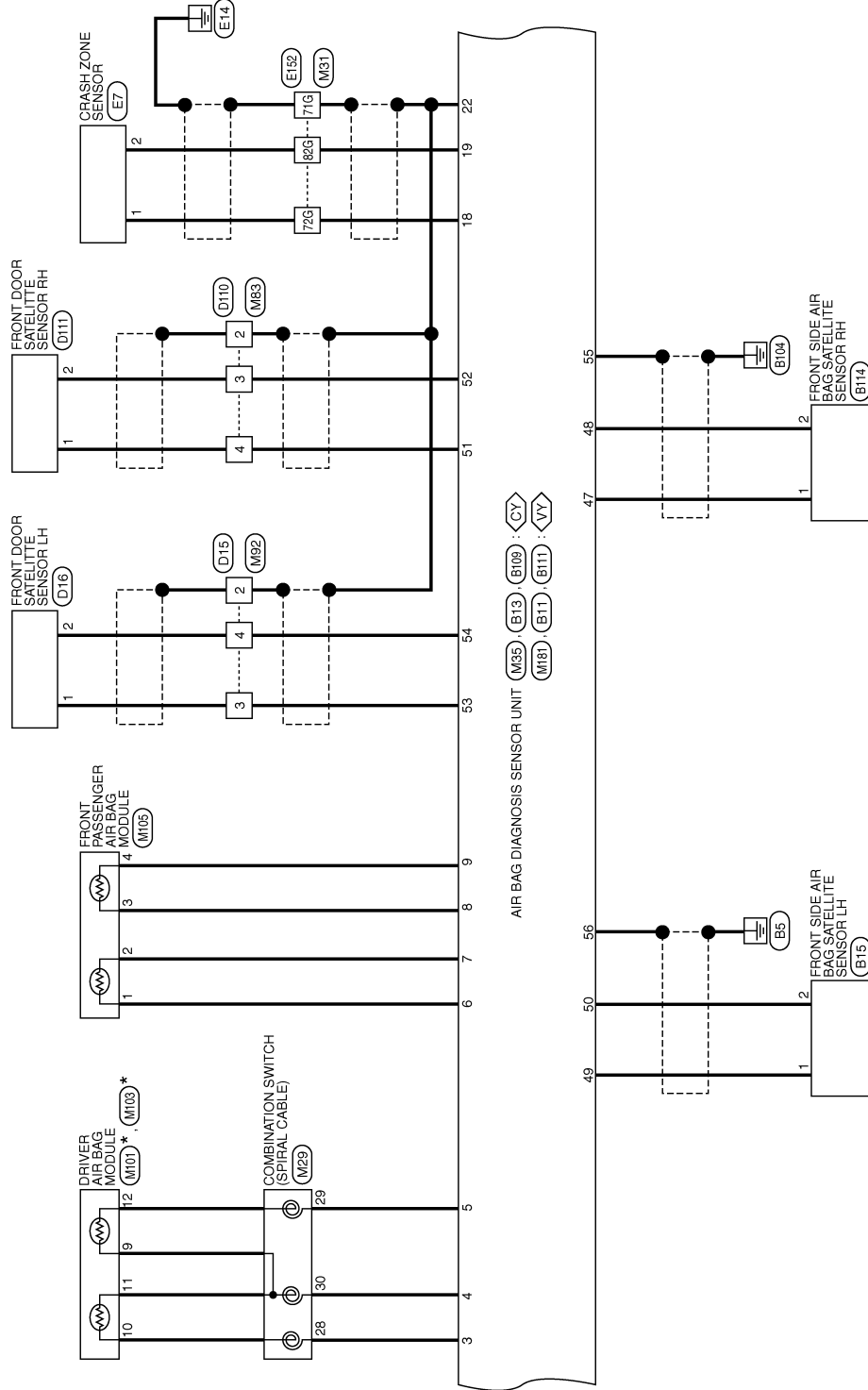
INFOID:000000012521448



# SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

CY : CARGO VAN  
YY : PASSENGER VAN



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

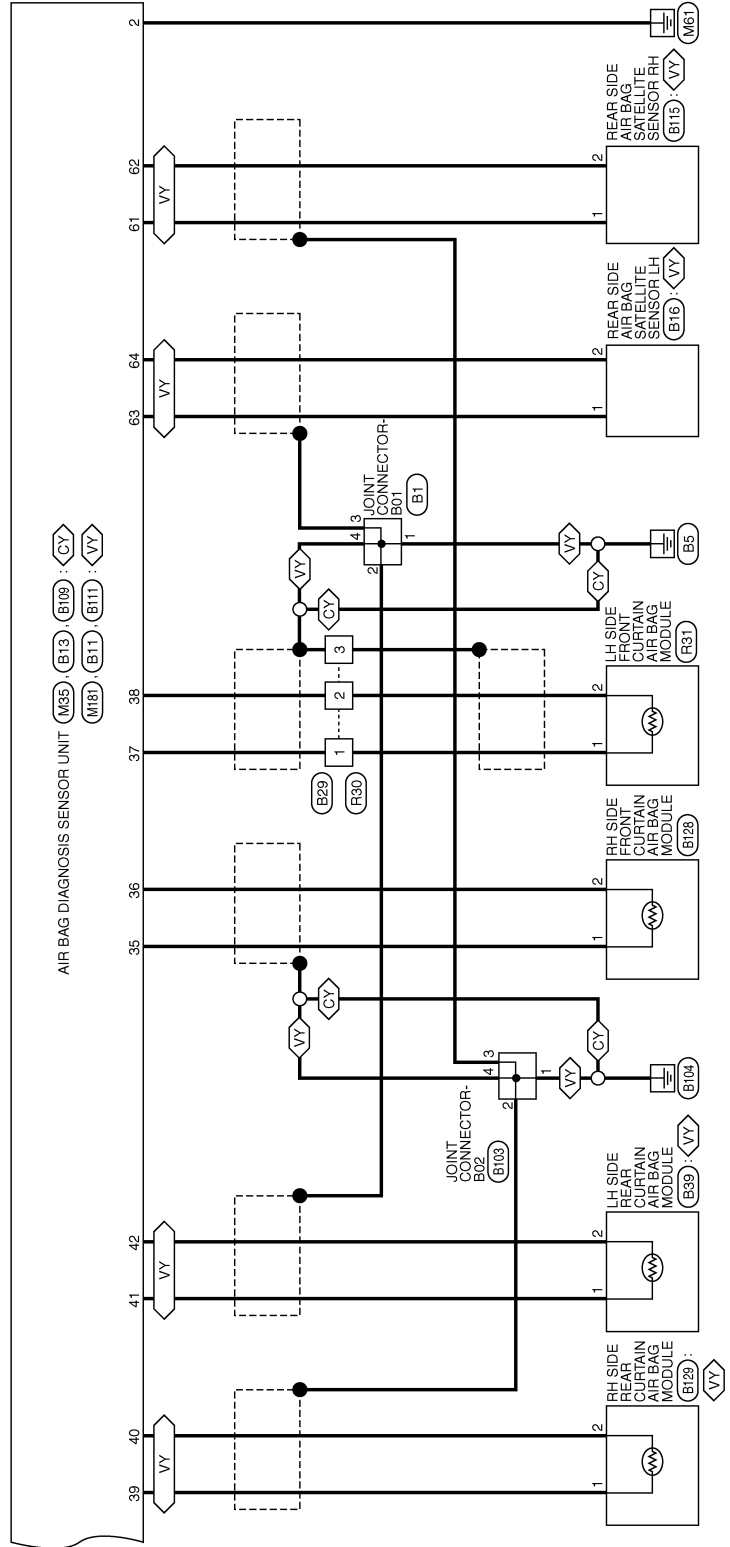
AAHWA0165GB

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# SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

CY : CARGO VAN  
VY : PASSENGER VAN



AAHWA0166GB

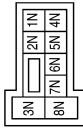


# SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

## SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



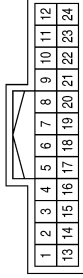
Terminal No.	Color of Wire	Signal Name
2N	O	-

Connector No.	M4
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



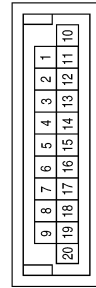
Terminal No.	Color of Wire	Signal Name
6P	W	-

Connector No.	M7
Connector Name	PRE-WIRING FOR TELEMATICS CONTROL MODULE
Connector Color	WHITE



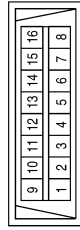
Terminal No.	Color of Wire	Signal Name
9	P	AIRBAG WARNING
11	W	COLLISION NOTIFY

Connector No.	M14
Connector Name	JOINT CONNECTOR-M04
Connector Color	BLUE



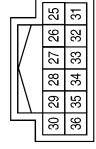
Terminal No.	Color of Wire	Signal Name
8	R	-
9	R	-

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



Terminal No.	Color of Wire	Signal Name
7	O	-

Connector No.	M23
Connector Name	COMBINATION METER
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
25	Y	BATTERY
31	B	GND (POWER)
32	R	RUN START
36	L	PASSENGER SEAT BELT

ABHIA0866GB

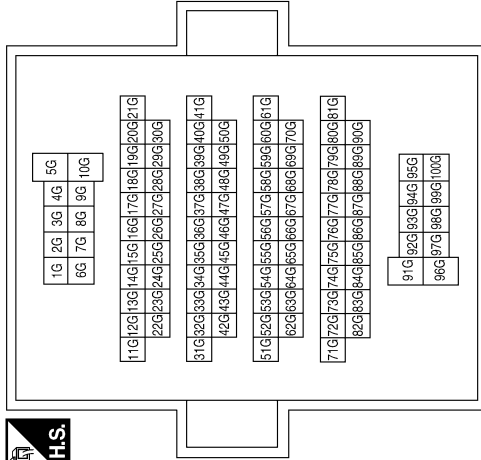
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SRC

# SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Color	WHITE



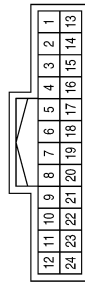
Terminal No.	Color of Wire	Signal Name
71G	SHIELD	-
72G	W	-
82G	B	-

Connector No.	M29
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	YELLOW



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

Connector No.	M24
Connector Name	COMBINATION METER
Connector Color	WHITE



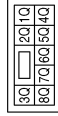
Terminal No.	Color of Wire	Signal Name
1	L	CAN+H
13	P	CAN-L
17	O	ACC
18	P	AIRBAG CONT
20	O	SEATBELT
21	B	GND (ILL)

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# SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

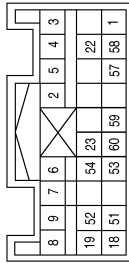
Connector No.	M39
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1Q	R	-
4Q	Y	-

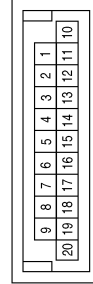
Terminal No.	Color of Wire	Signal Name
7	Y/R	AS1 (-)
8	Y/B	AS2 (+)
9	Y	AS2 (-)
18	W	ECZS1 (+)
19	B	ECZS1 (-)
22	SHIELD	GND
23	P	AIRBAG W/L
51	LG	DOOR SENS RH+
52	Y	DOOR SENS RH-
53	G	DOOR SENS LH+
54	R	DOOR SENS LH-
57	W	DEPLOYMENT INFORMATION OUTPUT
58	O	K-LINE
59	L	CAN-H
60	P	CAN-L

Connector No.	M35
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT (CARGO VAN)
Connector Color	YELLOW



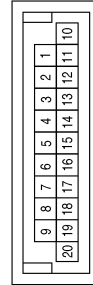
Terminal No.	Color of Wire	Signal Name
1	W	IGN
2	B	GND
3	Y	DR1 (+)
4	Y/B	DR1 (-)&DR2 (-)
5	Y/G	DR2 (+)
6	Y/G	AS1 (+)

Connector No.	M47
Connector Name	JOINT CONNECTOR-M02
Connector Color	GREEN



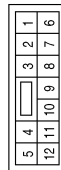
Terminal No.	Color of Wire	Signal Name
1	L	-
2	L	-
11	P	-
13	O	-
15	O	-
19	P	-

Connector No.	M45
Connector Name	JOINT CONNECTOR-M01
Connector Color	BLUE



Terminal No.	Color of Wire	Signal Name
1	L	-
5	L	-
8	L	-
10	P	-
14	P	-
17	P	-

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
3	O	-

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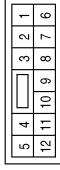
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# SRS AIR BAG CONTROL SYSTEM

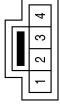
< WIRING DIAGRAM >

Connector No.	M84
Connector Name	WIRE TO WIRE
Connector Color	WHITE



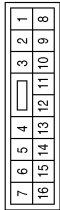
Terminal No.	Color of Wire	Signal Name
6	L	-

Connector No.	M83
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
4	L	-
13	P	-

Connector No.	M103
Connector Name	DRIVER AIR BAG MODULE
Connector Color	ORANGE



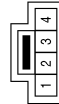
Terminal No.	Color of Wire	Signal Name
9	G	-
12	R	-

Connector No.	M101
Connector Name	DRIVER AIR BAG MODULE
Connector Color	YELLOW



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

Connector No.	M92
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
2	SHIELD	-
3	G	-
4	R	-

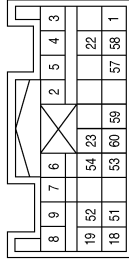
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# SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

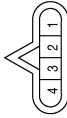
Terminal No.	Color of Wire	Signal Name
7	Y/R	AS1 (-)
8	Y/B	AS2 (+)
9	Y	AS2 (-)
18	W	ECZS1 (+)
19	B	ECZS1 (-)
22	SHIELD	GND
23	P	AIRBAG W/L
51	LG	DOOR SENS RH+
52	Y	DOOR SENS RH-
53	G	DOOR SENS LH+
54	R	DOOR SENS LH-
57	W	DEPLOYMENT INFORMATION OUTPUT
58	O	K-LINE
59	L	CAN-H
60	P	CAN-L

Connector No.	M181
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT (PASSENGER VAN)
Connector Color	YELLOW



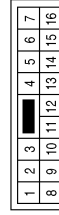
Terminal No.	Color of Wire	Signal Name
1	W	IGN
2	B	GND
3	Y	DR1 (+)
4	Y/B	DR1 (-)&DR2 (-)
5	Y/G	DR2 (+)
6	Y/G	AS1 (+)

Connector No.	M105
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Color	YELLOW



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

Connector No.	E55
Connector Name	WIRE TO WIRE
Connector Color	WHITE



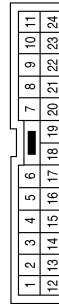
Terminal No.	Color of Wire	Signal Name
4	L	-
13	P	-

Connector No.	E7
Connector Name	CRASH ZONE SENSOR
Connector Color	YELLOW



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

Connector No.	E5
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
5	L	-
15	P	-

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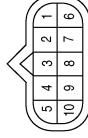
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# SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

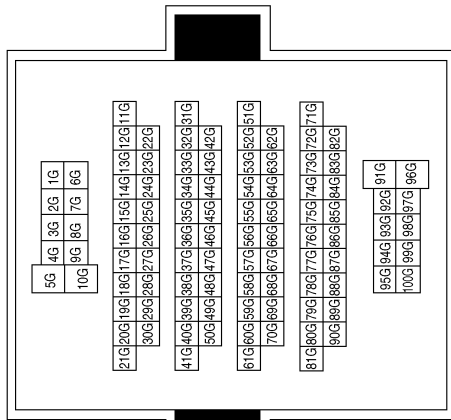
Connector No.	F9
Connector Name	A/T ASSEMBLY
Connector Color	GREEN



Terminal No.	Color of Wire	Signal Name
3	L	-
8	P	-

Terminal No.	Color of Wire	Signal Name
71G	GR	-
72G	W	-
82G	B	-

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Connector No.	B1
Connector Name	JOINT CONNECTOR-B01
Connector Color	WHITE



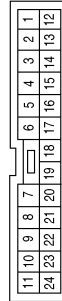
Terminal No.	Color of Wire	Signal Name
1	GR	-
2	SHIELD	-
3	SHIELD	-
4	SHIELD	-

Connector No.	F502
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	BR	CAN-H
2	L/Y	CAN-L

Connector No.	F14
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
5	L	-
15	P	-

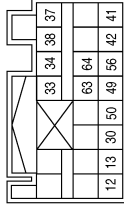
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# SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Terminal No.	Color of Wire	Signal Name
34	LG/R	S-LH (-)
37	R	C-LH1 (+)
38	G	C-LH1 (-)
41	R	C-LH2 (+)
42	W	C-LH2 (-)
49	W	LH SATELLITE SENSOR (+)
50	B	LH SATELLITE SENSOR (-)
56	SHIELD	GND
63	W	LH REAR SATELLITE SENSOR (+)
64	B	LH REAR SATELLITE SENSOR (-)

Connector No.	B11
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT (PASSENGER VAN)
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
12	Y/G	P-LH1 (+)
13	Y/R	P-LH1 (-)
30	O	LH SEAT BELT BUCKLE SWITCH
33	P/L	S-LH (+)

Connector No.	B10
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Color	YELLOW



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

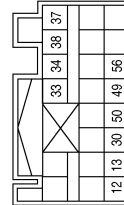
Connector No.	B14
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW



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

Terminal No.	Color of Wire	Signal Name
13	Y/R	P-LH1 (-)
30	O	LH SEAT BELT BUCKLE SWITCH
33	P/L	S-LH (+)
34	LG/R	S-LH (-)
37	R	C-LH1 (+)
38	G	C-LH1 (-)
49	W	LH SATELLITE SENSOR (+)
50	B	LH SATELLITE SENSOR (-)
56	SHIELD	GND

Connector No.	B13
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT (CARGO VAN)
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
12	Y/G	P-LH1 (+)

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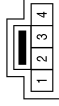
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# SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Connector No.	B29
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

Connector No.	B16
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.	B15
Connector Name	FRONT SIDE AIR BAG SATELLITE SENSOR LH
Connector Color	YELLOW



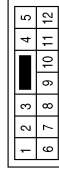
Terminal No.	Color of Wire	Signal Name
1	W	-
2	B	-

Connector No.	B74
Connector Name	SEAT BELT BUCKLE SWITCH LH
Connector Color	WHITE



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

Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
3	O	-

Connector No.	B39
Connector Name	LH SIDE REAR CURTAIN AIR BAG MODULE
Connector Color	YELLOW



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

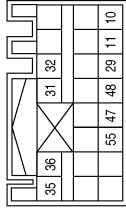
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# SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Connector No.	B109
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT (CARGO VAN)
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
10	Y	P-RH1 (+)
11	Y/B	P-RH1 (-)
29	L	RH SEAT BELT BUCKLE SWITCH
31	V/W	S-RH (+)
32	R/W	S-RH (-)
35	R	C-RH1 (+)
36	G	C-RH1 (-)
47	W	RH SATELLITE SENSOR (+)
48	B	RH SATELLITE SENSOR (-)
55	SHIELD	GND

Connector No.	B103
Connector Name	JOINT CONNECTOR-B02
Connector Color	WHITE



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

Connector No.	B101
Connector Name	WIRE TO WIRE
Connector Color	WHITE

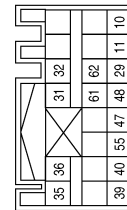


Terminal No.	Color of Wire	Signal Name
6	L	-

Terminal No.	Color of Wire	Signal Name
40	L	C-RH2 (-)
47	W	RH SATELLITE SENSOR (+)
48	B	RH SATELLITE SENSOR (-)
55	SHIELD	GND
61	W	RH REAR SATELLITE SENSOR (+)
62	B	RH REAR SATELLITE SENSOR (-)

Terminal No.	Color of Wire	Signal Name
10	Y	P-RH1 (+)
11	Y/B	P-RH1 (-)
29	L	RH SEAT BELT BUCKLE SWITCH
31	V/W	S-RH (+)
32	R/W	S-RH (-)
35	R	C-RH1 (+)
36	G	C-RH1 (-)
39	G	C-RH2 (+)

Connector No.	B111
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT (PASSENGER VAN)
Connector Color	YELLOW



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



# SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Connector No.	B126
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
1	V/W	-
2	R/W	-

Connector No.	B115
Connector Name	REAR SIDE AIR BAG SATELLITE SENSOR RH
Connector Color	YELLOW



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

Connector No.	B114
Connector Name	FRONT SIDE AIR BAG SATELLITE SENSOR RH
Connector Color	YELLOW



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

Connector No.	B129
Connector Name	RH SIDE REAR CURTAIN AIR BAG MODULE
Connector Color	YELLOW



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

Connector No.	B128
Connector Name	RH SIDE FRONT CURTAIN AIR BAG MODULE
Connector Color	YELLOW



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

Connector No.	B127
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW



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

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# SRS AIR BAG CONTROL SYSTEM

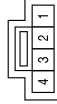
< WIRING DIAGRAM >

Connector No.	R31
Connector Name	LH SIDE FRONT CURTAIN AIR BAG MODULE
Connector Color	YELLOW



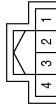
Terminal No.	Color of Wire	Signal Name
1	R	-
2	G	-

Connector No.	R30
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



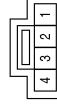
Terminal No.	Color of Wire	Signal Name
1	R	-
2	G	-
3	SHIELD	-

Connector No.	B157
Connector Name	SEAT BELT BUCKLE SWITCH RH
Connector Color	WHITE



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

Connector No.	D110
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



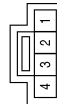
Terminal No.	Color of Wire	Signal Name
2	B	-
3	Y	-
4	LG	-

Connector No.	D16
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Color	YELLOW



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

Connector No.	D15
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

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# SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

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Connector No.	D111
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Color	YELLOW



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

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# SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

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# DIAGNOSIS AND REPAIR WORK FLOW

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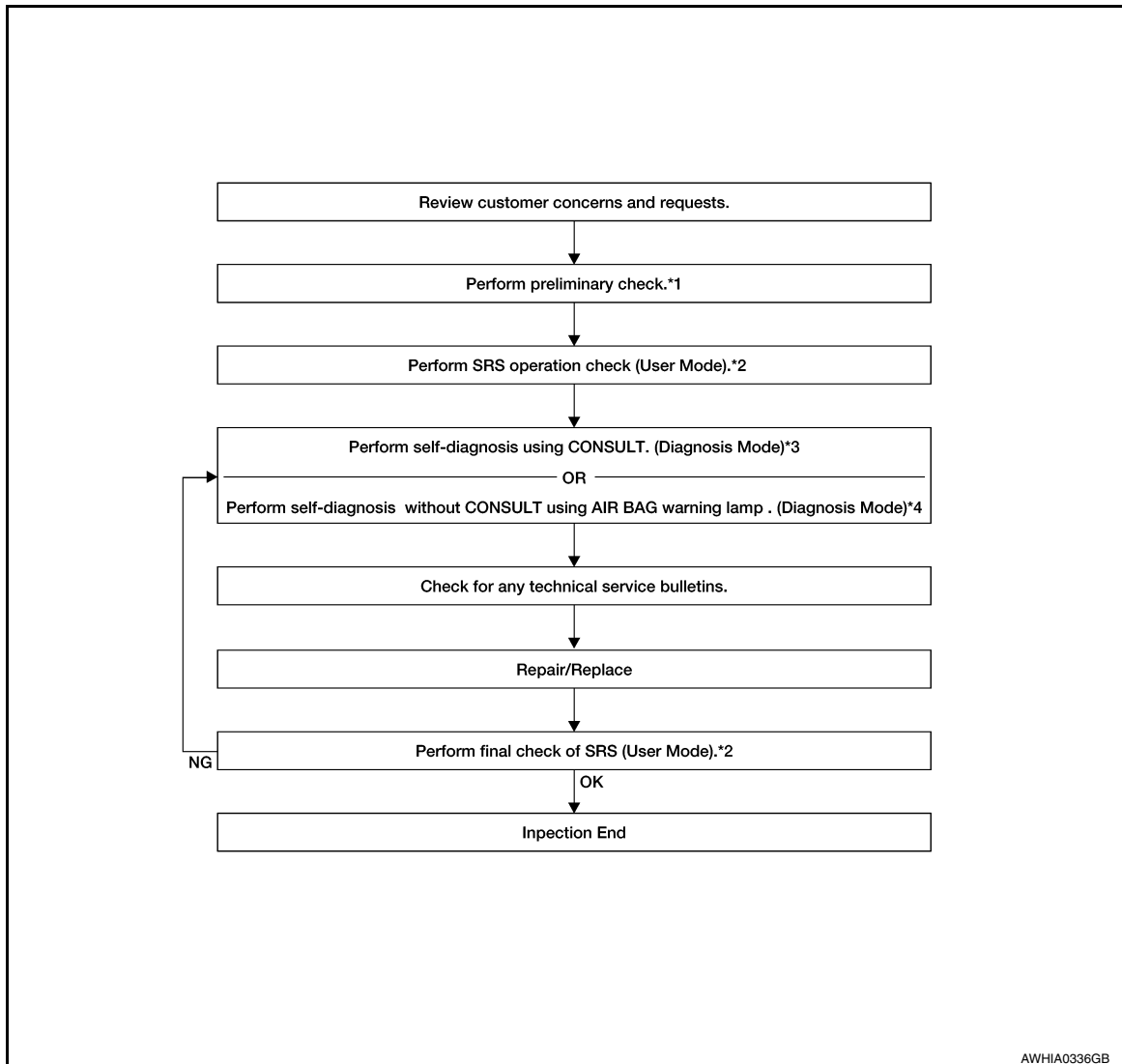
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000012521449

OVERALL SEQUENCE



\*1 [SRC-13. "Diagnosis Description"](#)

\*2 [SRC-13. "SRS Operation Check"](#)

\*3 [SRC-14. "Trouble Diagnosis with CONSULT"](#)

\*4 [SRC-15. "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-13. "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-13, "SRS Operation Check"](#).

>> GO TO 4

## 4.SELF-DIAGNOSIS (DIAGNOSIS MODE)

---

Perform SELF-DIAGNOSIS. Refer to [SRC-14, "Trouble Diagnosis with CONSULT"](#) or [SRC-15, "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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# INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

---

## INSPECTION AND ADJUSTMENT

### ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

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

INFOID:0000000012830616

#### AIR BAG DIAGNOSIS SENSOR UNIT

##### Before Replacement

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

##### NOTE:

If "Before Replace ECU" of "Read / Write Configuration" cannot be used, use the "Manual Configuration" after replacing air bag diagnosis sensor unit.

##### After Replacement

##### CAUTION:

Follow the instructions listed below. Failure to do this may cause malfunctions to the air bag diagnosis sensor unit.

- Never perform "Read / Write Configuration" or "Manual Configuration" except for new air bag diagnosis sensor unit.
- When replacing air bag diagnosis sensor unit, you must perform "Read / Write Configuration" or "Manual Configuration" with CONSULT.
- Complete the procedure of "Read / Write Configuration" or "Manual Configuration" in order.
- If you set incorrect "Read / Write Configuration" or "Manual Configuration", incidents might occur.
- Configuration is different for each vehicle model. Confirm configuration of each vehicle model.

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

INFOID:0000000012830617

#### WORK PROCEDURE WHEN REPLACING AIR BAG DIAGNOSIS SENSOR UNIT

##### 1.SAVING VEHICLE SPECIFICATION

###### CONSULT Configuration

Perform "Before Replace ECU" of "Read / Write Configuration" to save or print current vehicle specification.

##### NOTE:

If "Before Replace ECU" of "Read / Write Configuration" cannot be used, use the "Manual Configuration" after replacing air bag diagnosis sensor unit.

>> GO TO 2.

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

Replace air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).

>> GO TO 3.

##### 3.WRITING VEHICLE SPECIFICATION

###### CONSULT Configuration

Perform "After Replace ECU" of "Read / Write Configuration" or "Manual Configuration" to write vehicle specification. Refer to [SRC-40, "CONFIGURATION : Work Procedure"](#).

>> WORK END

## CONFIGURATION

### CONFIGURATION : Work Procedure

INFOID:0000000012830620

##### 1.WRITING MODE SELECTION

###### CONSULT Configuration



# INSPECTION AND ADJUSTMENT

## < BASIC INSPECTION >

---

Select "Re/programming, Configuration" of air bag.

A

When writing saved data>>GO TO 2.

When writing manually>>GO TO 3.

### 2.PERFORM "AFTER REPLACE ECU" OF "READ / WRITE CONFIGURATION"

---

B

ⓂCONSULT Configuration

Perform "After Replace ECU" of "Read / Write Configuration".

C

>> GO TO 4.

### 3.PERFORM "MANUAL CONFIGURATION"

---

D

ⓂCONSULT Configuration

1. Select "Manual Configuration".

2. Touch "Next".

3. Select the "Type ID" searched by using FAST (service parts catalogue) to write the "Type ID" into the air bag diagnosis sensor unit.

4. Touch "OK".

5. Check that the configuration has been successfully written and touch "End".

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>> GO TO 4.

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### 4.CHECK ALL ECU SELF-DIAGNOSIS RESULTS

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1. Erase all ECU self-diagnosis results using CONSULT.

2. Turn the ignition switch OFF.

3. Turn the ignition switch ON.

4. Check that all ECU self-diagnosis results have no DTC.

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# INTERMITTENT INCIDENT

< BASIC INSPECTION >

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## INTERMITTENT INCIDENT

### Inspection Procedure

INFOID:0000000012521450

### 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:0000000012521451

### CHECK SRS REPAIR HISTORY

Refer to [SRC-15, "SRS History Check"](#).

# U1000 CAN COMM CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## DTC/CIRCUIT DIAGNOSIS

### U1000 CAN COMM CIRCUIT

#### Description

INFOID:0000000012818853

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

#### DTC Logic

INFOID:0000000012818854

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
U1000-01	CAN COMM CIRCUIT [—]	When air bag diagnosis sensor unit is not transmitting or receiving CAN communication signals for 2 or more seconds.

#### DTC CONFIRMATION PROCEDURE

##### 1.PERFORM SELF-DIAGNOSIS

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

##### Is DTC detected?

- YES >> Refer to [SRC-43, "Diagnosis Procedure"](#).  
NO >> Refer to [GI-43, "Intermittent Incident"](#).

#### Diagnosis Procedure

INFOID:0000000012818855

##### 1.CHECK CAN COMMUNICATION SYSTEM

Check CAN communication system. Refer to [LAN-16, "Trouble Diagnosis Flow Chart"](#).

>> Inspection End.

# U1010 CONTROL UNIT (CAN)

< DTC/CIRCUIT DIAGNOSIS >

## U1010 CONTROL UNIT (CAN)

### Description

INFOID:000000012818856

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:000000012818857

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
U1010-49	CONTROL UNIT (CAN) [-]	CAN communication error is detected in control unit.

### 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-44. "Diagnosis Procedure"](#).  
NO >> Inspection End.

### Diagnosis Procedure

INFOID:000000012818858

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

Replace air bag diagnosis sensor unit. Refer to [SR-33. "Removal and Installation"](#).

>> Inspection End.

# B0001, B0002 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0001, B0002 DRIVER AIRBAG MODULE

### Description

INFOID:0000000012818859

### DTC B0001, B0002 DRIVER AIRBAG MODULE

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

### PART LOCATION

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

### DTC Logic

INFOID:0000000012818860

### DTC DETECTION LOGIC

With CONSULT

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0001-13	DRIVER AIRBAG MODULE [Driver Frontal Stage 1 Deployment Control (Subdefault)]	[OPEN] Driver air bag module circuit (DR1) is open (including the spiral cable).
B0001-12		[VB-SHORT] Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).
B0001-11		[GND-SHORT] Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).
B0001-1A		[SHORT] Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).
B0002-13	DRIVER AIRBAG MODULE 2 [Driver Frontal Stage 2 Deployment Control (Subdefault)]	[OPEN] Driver air bag module circuit (DR2) is open (including the spiral cable).
B0002-12		[VB-SHORT] Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).
B0002-11		[GND-SHORT] Driver air bag module circuit (DR2) is shorted to ground (including the spiral cable).
B0002-00		[SHORT] Driver air bag module circuits (DR1) and (DR2) are shorted to each other (including the spiral cable).
B0002-1A		[SHORT] Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).

### DTC CONFIRMATION PROCEDURE (With CONSULT)

#### 1. CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-46, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

#### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

### DTC CONFIRMATION PROCEDURE (Without CONSULT)

# B0001, B0002 DRIVER AIRBAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

**NOTE:**

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

Is the DTC detected?

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

### Diagnosis Procedure

INFOID:000000012818861

### 1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

**NOTE:**

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

Is the inspection result normal?

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

### 2. CONFIRM DTC

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

Is DTC still current?

- YES >> GO TO 3.  
NO >> Refer to [GI-43, "Intermittent Incident"](#).

### 3. WIRING HARNESS

Check the wiring harness for visible damage.

**NOTE:**

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

Is the inspection result normal?

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

### 4. CHECK SPIRAL CABLE CIRCUIT

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

Driver air bag module		Spiral cable		Continuity
Connector	Terminal	Connector	Terminal	
M101	10	M29	28	Yes
	11		30	
M103	9		30	
	12		29	

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

# B0001, B0002 DRIVER AIRBAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

Driver air bag module		Ground	Continuity
Connector	Terminal		
M101	10		No
	11		
M103	9		
	12		

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace the spiral cable. Refer to [SR-14, "Removal and Installation"](#).

### 5.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 6.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

### 6.FRONT DRIVER AIR BAG MODULE

1. Replace the driver air bag module. Refer to [SR-11, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

### 7.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 8.

NO >> Clear DTC. Inspection End.

### 8.RELATED HARNESS

Replace the related harness.

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# B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0010, B0011 PASSENGER AIRBAG MODULE

### Description

INFOID:0000000012818862

#### DTC B0010, B0011 PASSENGER AIR BAG MODULE

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

#### PART LOCATION

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

### DTC Logic

INFOID:0000000012818863

#### DTC DETECTION LOGIC

With CONSULT

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0010-13	ASSIST A/B MODULE [Passenger Frontal Stage 1 Deployment Control (Subdefault)]	[OPEN] Driver air bag module circuit (AS1) is open (including the spiral cable).
B0010-12		[VB-SHORT] Driver air bag module circuit (AS1) is shorted to a power supply circuit (including the spiral cable).
B0010-11		[GND-SHORT] Driver air bag module circuit (AS1) is shorted to ground (including the spiral cable).
B0010-1A		[SHORT] Driver air bag module circuits (AS1) are shorted to each other (including the spiral cable).
B0011-13	ASSIST A/B MODULE 2 [Passenger Frontal Stage 2 Deployment Control (Subdefault)]	[OPEN] Driver air bag module circuit (AS2) is open (including the spiral cable).
B0011-12		[VB-SHORT] Driver air bag module circuit (AS2) is shorted to a power supply circuit (including the spiral cable).
B0011-11		[GND-SHORT] Driver air bag module circuit (AS2) is shorted to ground (including the spiral cable).
B0011-1A		[SHORT] Driver air bag module circuits (AS2) are shorted to each other (including the spiral cable).

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

##### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-49, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

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

Erase the DTC using CONSULT.

##### Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-49, "Diagnosis Procedure"](#).

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).



# B0010, B0011 PASSENGER AIRBAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

### NOTE:

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

### Is the DTC detected?

YES >> Refer to [SRC-49. "Diagnosis Procedure"](#).

NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000012818864

### 1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

#### NOTE:

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

### Is the inspection result normal?

YES >> GO TO 2.

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

### 2. CONFIRM DTC

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

### Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-43. "Intermittent Incident"](#).

### 3. WIRING HARNESS

Check the wiring harness for visible damage.

#### NOTE:

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

### Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

### 4. CONFIRM DTC

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

### Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43. "Intermittent Incident"](#).

### 5. FRONT PASSENGER AIR BAG MODULE

1. Replace the front passenger air bag module. Refer to [SR-16. "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

### Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

### 6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33. "Removal and Installation"](#).

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## **B0010, B0011 PASSENGER AIRBAG MODULE**

< DTC/CIRCUIT DIAGNOSIS >

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

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

**7**.RELATED HARNESS

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Replace the related harness.

>> **END**

# B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B0020 SIDE AIRBAG MODULE LH

### Description

INFOID:000000012818865

### 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:000000012818866

### DTC DETECTION LOGIC

With CONSULT

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0020-13	SIDE A/B MODULE LH [Side Air Bag Deployment Control (Sub- default)]	[OPEN] Side air bag module circuit (S-LH) is open
B0020-12		[VB-SHORT] Side air bag module circuit (S-LH) is shorted to a power supply circuit (including the spiral cable).
B0020-11		[GND-SHORT] Side air bag module circuit (S-LH) is shorted to ground (including the spiral cable).
B0020-1A		[SHORT] Side air bag module circuits (S-LH) are shorted to each other (including the spiral cable).

### DTC CONFIRMATION PROCEDURE (With CONSULT)

#### 1. CHECK SELF-DIAG RESULT

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

#### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-51, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

#### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

#### Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-51, "Diagnosis Procedure"](#).

### DTC CONFIRMATION PROCEDURE (Without CONSULT)

#### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

#### NOTE:

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

#### Is the DTC detected?

YES >> Refer to [SRC-51, "Diagnosis Procedure"](#).

NO >> Inspection End.

### Diagnosis Procedure

INFOID:000000012818867

#### 1. HARNESS CONNECTOR

## B0020 SIDE AIRBAG MODULE LH

### < DTC/CIRCUIT DIAGNOSIS >

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Visually inspect all applicable harness connectors for the following:

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

**NOTE:**

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

Is the inspection result normal?

YES >> GO TO 2.

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

## 2.CONFIRM DTC

---

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-43. "Intermittent Incident"](#).

## 3.WIRING HARNESS

---

Check the wiring harness for visible damage.

**NOTE:**

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

## 4.CONFIRM DTC

---

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43. "Intermittent Incident"](#).

## 5.SIDE AIR BAG MODULE LH

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1. Replace the side air bag module LH. Refer to [SR-25. "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

## 6.AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33. "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

## 7.RELATED HARNESS

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Replace the related harness.

# B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

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>> END

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# B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

## B0021 SIDE CURTAIN AIR BAG MODULE LH

### Description

INFOID:0000000012828133

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

The LH side front 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 front curtain air bag module.

#### PART LOCATION

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

### DTC Description

INFOID:0000000012828134

#### DTC DETECTION LOGIC

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

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

##### Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

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

Erase the DTC using CONSULT.

##### Can the DTC be erased?

YES >> Inspection End.

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

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

##### NOTE:

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

##### Is the DTC detected?

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

NO >> Inspection End.

### Diagnosis Procedure

INFOID:0000000012828135

#### WARNING:

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

# B0021 SIDE CURTAIN AIR BAG MODULE LH

## < DTC/CIRCUIT DIAGNOSIS >

### 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

Visually inspect all applicable harness connectors for the following:

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

### NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

## 2. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 3. WIRING HARNESS

Check the wiring harness for visible damage.

### NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

## 4. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 5. SIDE CURTAIN AIR BAG MODULE LH

1. Replace the LH side curtain air bag module. Refer to [SR-20, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

## 6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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## B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

---

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

**7**.RELATED HARNESS

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Replace the related harness.

>> **END**



# B0022 CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0022 CURTAIN AIR BAG MODULE

### Description

INFOID:0000000012828139

### DTC B0022 LH SIDE REAR CURTAIN AIR BAG MODULE

The LH side rear 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 rear curtain air bag module.

### PART LOCATION

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

### DTC Description

INFOID:0000000012828140

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0022-11	FR CURTN A/B MODULE LH [Left Curtain Deployment Control 2 (Subfault)]	[GND-SHORT] LH side rear curtain air bag module circuit is shorted to ground
B0022-12		[VB-SHORT] LH side rear curtain air bag module circuit is shorted to power supply circuit
B0022-13		[OPEN] LH side rear curtain air bag module circuit is open
B0022-1A		[SHORT] LH side rear curtain air bag module circuits are shorted to each other

### DTC CONFIRMATION PROCEDURE (With CONSULT)

#### 1. CHECK SELF-DIAG RESULT

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

#### Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

#### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

#### Can the DTC be erased?

YES >> Inspection End.

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

### DTC CONFIRMATION PROCEDURE (Without CONSULT)

#### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

#### NOTE:

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

#### Is the DTC detected?

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

NO >> Inspection End.

### Diagnosis Procedure

INFOID:0000000012828141

#### WARNING:

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

# B0022 CURTAIN AIR BAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

---

### **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

---

Visually inspect all applicable harness connectors for the following:

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

### **NOTE:**

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

### Is the inspection result normal?

YES >> GO TO 2.

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

## 2. CONFIRM DTC

---

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

### Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 3. WIRING HARNESS

---

Check the wiring harness for visible damage.

### **NOTE:**

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

### Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

## 4. CONFIRM DTC

---

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

### Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 5. LH SIDE REAR CURTAIN AIR BAG MODULE

---

1. Replace the LH side rear curtain air bag module. Refer to [SR-20, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

### Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

## 6. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

## B0022 CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

---

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

**7**.RELATED HARNESS

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Replace the related harness.

>> **END**

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# B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B0028 SIDE AIRBAG MODULE RH

### Description

INFOID:000000012818868

#### 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 [SR-16, "Removal and Installation"](#).

### DTC Logic

INFOID:000000012818869

#### DTC DETECTION LOGIC

With CONSULT

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0028-13	SIDE AIRBAG MODULE RH [Side Air Bag Deployment Control (Sub- default)]	[OPEN] Side air bag module circuit (S-RH) is open
B0028-12		[VB-SHORT] Side air bag module circuit (S-RH) is shorted to a power supply circuit (including the spiral cable).
B0028-11		[GND-SHORT] Side air bag module circuit (S-RH) is shorted to ground (including the spiral cable).
B0028-1A		[SHORT] Side air bag module circuits (S-RH) are shorted to each other (including the spiral cable).

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

##### Is the DTC detected?

- YES (Current DTC)>>Refer to [SRC-60, "Diagnosis Procedure"](#).
- YES (Past DTC)>>GO TO 2.
- NO >> Inspection End.

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

Erase the DTC using CONSULT.

##### Can the DTC be erased?

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

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

##### **NOTE:**

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

##### Is the DTC detected?

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

### Diagnosis Procedure

INFOID:000000012818870

##### 1. HARNESS CONNECTOR

# B0028 SIDE AIRBAG MODULE RH

## < DTC/CIRCUIT DIAGNOSIS >

---

Visually inspect all applicable harness connectors for the following:

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

A

**NOTE:**

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

B

Is the inspection result normal?

C

YES >> GO TO 2.

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

D

## 2.CONFIRM DTC

---

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

E

Is DTC still current?

F

YES >> GO TO 3.

NO >> Refer to [GI-43. "Intermittent Incident"](#).

G

## 3.WIRING HARNESS

---

Check the wiring harness for visible damage.

**NOTE:**

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

SRC

Is the inspection result normal?

I

YES >> GO TO 4.

NO >> Replace the harness.

## 4.CONFIRM DTC

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J

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

K

Is DTC still current?

L

YES >> GO TO 5.

NO >> Refer to [GI-43. "Intermittent Incident"](#).

## 5.SIDE AIR BAG MODULE RH

---

1. Replace the side air bag module RH. Refer to [SR-25. "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

M

Is DTC still current?

N

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

## 6.AIR BAG DIAGNOSIS SENSOR UNIT

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O

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33. "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

P

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

## 7.RELATED HARNESS

---

Replace the related harness.

## B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

---

>> END

# B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

## B0029 SIDE CURTAIN AIR BAG MODULE RH

### Description

INFOID:0000000012828136

### DTC B0029 RH SIDE FRONT CURTAIN AIR BAG MODULE

The RH side front 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 front curtain air bag module.

### PART LOCATION

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

### DTC Description

INFOID:0000000012828137

### DTC DETECTION LOGIC

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

### DTC CONFIRMATION PROCEDURE (With CONSULT)

#### 1. CHECK SELF-DIAG RESULT

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

#### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-66, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

#### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

#### Can the DTC be erased?

YES >> Inspection End.

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

### DTC CONFIRMATION PROCEDURE (Without CONSULT)

#### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

#### NOTE:

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

#### Is the DTC detected?

YES >> Refer to [SRC-66, "Diagnosis Procedure"](#).

NO >> Inspection End.

### Diagnosis Procedure

INFOID:0000000012828138

#### WARNING:

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

# B0029 SIDE CURTAIN AIR BAG MODULE RH

## < DTC/CIRCUIT DIAGNOSIS >

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### **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

---

Visually inspect all applicable harness connectors for the following:

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

### **NOTE:**

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

### Is the inspection result normal?

YES >> GO TO 2.

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

## 2. CONFIRM DTC

---

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

### Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 3. WIRING HARNESS

---

Check the wiring harness for visible damage.

### **NOTE:**

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

### Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

## 4. CONFIRM DTC

---

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

### Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 5. RH SIDE FRONT CURTAIN AIR BAG MODULE

---

1. Replace the RH side front curtain air bag module. Refer to [SR-20, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

### Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

## 6. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.



## B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

---

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

**7**.RELATED HARNESS

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Replace the related harness.

>> **END**

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# B002A CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B002A CURTAIN AIR BAG MODULE

### Description

INFOID:0000000012828142

#### DTC B002A RH SIDE REAR CURTAIN AIR BAG MODULE

The RH side rear 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 rear curtain air bag module.

#### PART LOCATION

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

### DTC Description

INFOID:0000000012828143

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B002A-11	FR CURTN A/B MODULE RH [Right Curtain Deployment Control 2 (Subfault)]	[GND-SHORT] RH side rear curtain air bag module RH circuit is shorted to ground
B002A-12		[VB-SHORT] RH side rear curtain air bag module circuit is shorted to power supply circuit
B002A-13		[OPEN] RH side rear curtain air bag module circuit is open
B002A-1A		[SHORT] RH side rear curtain air bag module circuits are shorted to each other

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-66, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

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

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

#### NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-66, "Diagnosis Procedure"](#).

NO >> Inspection End.

### Diagnosis Procedure

INFOID:0000000012828144

#### WARNING:

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

# B002A CURTAIN AIR BAG MODULE

## < DTC/CIRCUIT DIAGNOSIS >

### 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

Visually inspect all applicable harness connectors for the following:

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

### NOTE:

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

### Is the inspection result normal?

YES >> GO TO 2.

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

## 2. CONFIRM DTC

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

### Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 3. WIRING HARNESS

Check the wiring harness for visible damage.

### NOTE:

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

### Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

## 4. CONFIRM DTC

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

### Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 5. RH SIDE REAR CURTAIN AIR BAG MODULE

1. Replace the RH side rear curtain air bag module. Refer to [SR-20, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

### Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

## 6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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## B002A CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

---

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

**7**.RELATED HARNESS

---

Replace the related harness.

>> **END**

# B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

## B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

### Description

INFOID:000000012818871

#### 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:000000012818872

#### DTC DETECTION LOGIC

With CONSULT

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0091-93	[RESET]	B-pillar satellite sensor LH malfunction
B0091-81	[COMM ERR]	B-pillar satellite sensor LH communication error
B0091-88	[OPEN]	B-pillar satellite sensor LH circuit is open
B0091-86	[UNMATCH]	B-pillar satellite sensor LH is out of specification
B0091-28	[OFFSET ERR]	B-pillar satellite sensor LH malfunction
B0091-25	[SELF-DIAG ERR]	B-pillar satellite sensor LH malfunction
B0091-23	[LOWER LIMIT ERR]	B-pillar satellite sensor LH malfunction
B0091-24	[UPPER LIMIT ERR]	B-pillar satellite sensor LH malfunction

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

##### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-70, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

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

Erase the DTC using CONSULT.

##### Can the DTC be erased?

YES >> Inspection End.

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

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

##### **NOTE:**

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

##### Is the DTC detected?

# B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

## < DTC/CIRCUIT DIAGNOSIS >

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

## Diagnosis Procedure

INFOID:000000012818873

### 1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

**NOTE:**

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

Is the inspection result normal?

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

### 2. CONFIRM DTC

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

Is DTC still current?

- YES >> GO TO 3.  
NO >> Refer to [GI-43, "Intermittent Incident"](#).

### 3. WIRING HARNESS

Check the wiring harness for visible damage.

**NOTE:**

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

Is the inspection result normal?

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

### 4. CONFIRM DTC

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

Is DTC still current?

- YES >> GO TO 5.  
NO >> Refer to [GI-43, "Intermittent Incident"](#).

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

1. Replace the front side air bag satellite sensor LH. Refer to [SR-29, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

### 6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

# B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

## < DTC/CIRCUIT DIAGNOSIS >

---

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

## 7.RELATED HARNESS

---

Replace the related harness.

>> **END**

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# B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

## B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

### Description

INFOID:000000012818874

#### 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:000000012818875

#### DTC DETECTION LOGIC

With CONSULT

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0092-93	C-PILLAR SAT SEN LH	[RESET]
B0092-81		[COMM ERR]
B0092-88		[OPEN]
B0092-86		[UNMATCH]
B0092-28		[OFFSET ERR]
B0092-25		[SELF-DIAG ERR]
B0092-23		[LOWER LIMIT ERR]
B0092-24		[UPPER LIMIT ERR]
		C-pillar satellite sensor LH communication error
		C-pillar satellite sensor LH circuit is open
		C-pillar satellite sensor LH is out of specification
		C-pillar satellite sensor LH malfunction
		C-pillar satellite sensor LH malfunction
		C-pillar satellite sensor LH malfunction

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

##### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-73, "Diagnosis Procedure"](#).  
YES (Past DTC)>>GO TO 2.  
NO >> Inspection End.

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

Erase the DTC using CONSULT.

##### Can the DTC be erased?

YES >> Inspection End.  
NO >> Refer to [SRC-73, "Diagnosis Procedure"](#).

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

##### **NOTE:**

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

##### Is the DTC detected?



# B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

## < DTC/CIRCUIT DIAGNOSIS >

- YES >> Refer to [SRC-73. "Diagnosis Procedure"](#).  
NO >> Inspection End.

A

## Diagnosis Procedure

INFOID:0000000012818876

### 1. HARNESS CONNECTOR

B

Visually inspect all applicable harness connectors for the following:

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

C

#### NOTE:

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

D

#### Is the inspection result normal?

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

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F

### 2. CONFIRM DTC

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

G

#### Is DTC still current?

- YES >> GO TO 3.  
NO >> Refer to [GI-43. "Intermittent Incident"](#).

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### 3. WIRING HARNESS

I

Check the wiring harness for visible damage.

#### NOTE:

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

J

#### Is the inspection result normal?

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

K

### 4. CONFIRM DTC

L

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

M

#### Is DTC still current?

- YES >> GO TO 5.  
NO >> Refer to [GI-43. "Intermittent Incident"](#).

N

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

1. Replace the rear side air bag satellite sensor LH. Refer to [SR-29. "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

O

#### Is DTC still current?

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

P

### 6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33. "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

#### Is DTC still current?

## **B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH**

< DTC/CIRCUIT DIAGNOSIS >

---

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

**7**.RELATED HARNESS

---

Replace the related harness.

>> **END**

# B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

## B0093 FRONT DOOR SATELLITE SENSOR LH

### Description

INFOID:000000012818877

### 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:000000012818878

### With CONSULT

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

### DTC CONFIRMATION PROCEDURE (With CONSULT)

#### 1. CHECK SELF-DIAG RESULT

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

#### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-76, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

#### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

#### Can the DTC be erased?

YES >> Inspection End.

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

### DTC CONFIRMATION PROCEDURE (Without CONSULT)

#### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

#### NOTE:

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

#### Is the DTC detected?

YES >> Refer to [SRC-76, "Diagnosis Procedure"](#).

NO >> Inspection End.

# B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

## Diagnosis Procedure

INFOID:000000012818879

### 1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

**NOTE:**

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

Is the inspection result normal?

YES >> GO TO 2.

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

### 2. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

### 3. WIRING HARNESS

Check the wiring harness for visible damage.

**NOTE:**

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

### 4. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

### 5. FRONT DOOR SATELLITE SENSOR LH

1. Replace the front door satellite sensor LH. Refer to [SR-29, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

### 6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

# B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

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## 7.RELATED HARNESS

---

Replace the related harness.

>> END

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# B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

## B0094 CRASH ZONE SENSOR

### Description

INFOID:0000000012818880

#### 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:0000000012818881

#### DTC DETECTION LOGIC

With CONSULT

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

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

##### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-79, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

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

Erase the DTC using CONSULT.

##### Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-79, "Diagnosis Procedure"](#).

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

##### **NOTE:**

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

##### Is the DTC detected?

YES >> Refer to [SRC-79, "Diagnosis Procedure"](#).

# B0094 CRASH ZONE SENSOR

## < DTC/CIRCUIT DIAGNOSIS >

NO >> Inspection End.

### Diagnosis Procedure

INFOID:0000000012818882

#### 1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

**NOTE:**

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

#### 2. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

#### 3. WIRING HARNESS

Check the wiring harness for visible damage.

**NOTE:**

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

#### 4. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

#### 5. CRASH ZONE SENSOR

1. Replace the crash zone sensor. Refer to [SR-27, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

#### 6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

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## B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

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NO >> Clear DTC. Inspection End.

**7**.RELATED HARNESS

---

Replace the related harness.

>> **END**



# B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

## B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

### Description

INFOID:000000012818883

#### 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:000000012818884

#### DTC DETECTION LOGIC

With CONSULT

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0096-93	[RESET]	B-pillar satellite sensor RH malfunction
B0096-81	[COMM ERR]	B-pillar satellite sensor RH communication error
B0096-88	[OPEN]	B-pillar satellite sensor RH circuit is open
B0096-86	[UNMATCH]	B-pillar satellite sensor RH is out of specification
B0096-28	[OFFSET ERR]	B-pillar satellite sensor RH malfunction
B0096-25	[SELF-DIAG ERR]	B-pillar satellite sensor RH malfunction
B0096-23	[LOWER LIMIT ERR]	B-pillar satellite sensor RH malfunction
B0096-24	[UPPER LIMIT ERR]	B-pillar satellite sensor RH malfunction

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

##### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-82, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

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

Erase the DTC using CONSULT.

##### Can the DTC be erased?

YES >> Inspection End.

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

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

##### **NOTE:**

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

##### Is the DTC detected?

# B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

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

## Diagnosis Procedure

INFOID:000000012818885

### 1. HARNESS CONNECTOR

---

Visually inspect all applicable harness connectors for the following:

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

**NOTE:**

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

Is the inspection result normal?

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

### 2. CONFIRM DTC

---

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

Is DTC still current?

- YES >> GO TO 3.  
NO >> Refer to [GI-43, "Intermittent Incident"](#).

### 3. WIRING HARNESS

---

Check the wiring harness for visible damage.

**NOTE:**

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

Is the inspection result normal?

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

### 4. CONFIRM DTC

---

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

Is DTC still current?

- YES >> GO TO 5.  
NO >> Refer to [GI-43, "Intermittent Incident"](#).

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

---

1. Replace the front side air bag satellite sensor RH. Refer to [SR-29, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

### 6. AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

# B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

## < DTC/CIRCUIT DIAGNOSIS >

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YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

## 7. RELATED HARNESS

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Replace the related harness.

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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:000000012818886

#### 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:000000012818887

#### DTC DETECTION LOGIC

With CONSULT

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0097-93	C-PILLAR SAT SEN RH	[RESET]
B0097-81		[COMM ERR]
B0097-88		[OPEN]
B0097-86		[UNMATCH]
B0097-28		[OFFSET ERR]
B0097-25		[SELF-DIAG ERR]
B0097-23		[LOWER LIMIT ERR]
B0097-24		[UPPER LIMIT ERR]
		C-pillar satellite sensor RH communication error
		C-pillar satellite sensor RH circuit is open
		C-pillar satellite sensor RH is out of specification
		C-pillar satellite sensor RH malfunction
		C-pillar satellite sensor RH malfunction
		C-pillar satellite sensor RH malfunction
		C-pillar satellite sensor RH malfunction

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

##### Is the DTC detected?

- YES (Current DTC)>>Refer to [SRC-85, "Diagnosis Procedure"](#).
- YES (Past DTC)>>GO TO 2.
- NO >> Inspection End.

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

Erase the DTC using CONSULT.

##### Can the DTC be erased?

- YES >> Inspection End.
- NO >> Refer to [SRC-85, "Diagnosis Procedure"](#).

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

##### **NOTE:**

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

##### Is the DTC detected?

# B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

## < DTC/CIRCUIT DIAGNOSIS >

- YES >> Refer to [SRC-85, "Diagnosis Procedure"](#).  
NO >> Inspection End.

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## Diagnosis Procedure

INFOID:000000012818888

### 1. HARNESS CONNECTOR

B

Visually inspect all applicable harness connectors for the following:

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

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**NOTE:**

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

D

Is the inspection result normal?

YES >> GO TO 2.

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

F

### 2. CONFIRM DTC

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

G

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

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### 3. WIRING HARNESS

I

Check the wiring harness for visible damage.

**NOTE:**

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

J

Is the inspection result normal?

YES >> GO TO 4.

K

NO >> Replace the harness.

### 4. CONFIRM DTC

L

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

M

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

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

1. Replace the rear side air bag satellite sensor RH. Refer to [SR-29, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

O

Is DTC still current?

YES >> GO TO 6.

P

NO >> Clear DTC. Inspection End.

### 6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

< DTC/CIRCUIT DIAGNOSIS >

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YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

**7**.RELATED HARNESS

---

Replace the related harness.

>> **END**

# B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

## B0098 FRONT DOOR SATELLITE SENSOR RH

### Description

INFOID:000000012818889

### 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:000000012818890

### With CONSULT

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

### DTC CONFIRMATION PROCEDURE (With CONSULT)

#### 1. CHECK SELF-DIAG RESULT

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

#### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-88, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

#### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

#### Can the DTC be erased?

YES >> Inspection End.

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

### DTC CONFIRMATION PROCEDURE (Without CONSULT)

#### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

#### NOTE:

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

#### Is the DTC detected?

YES >> Refer to [SRC-88, "Diagnosis Procedure"](#).

NO >> Inspection End.

# B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

## Diagnosis Procedure

INFOID:000000012818891

### 1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

**NOTE:**

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

Is the inspection result normal?

YES >> GO TO 2.

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

### 2. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

### 3. WIRING HARNESS

Check the wiring harness for visible damage.

**NOTE:**

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

### 4. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

### 5. FRONT DOOR SATELLITE SENSOR RH

1. Replace the front door satellite sensor RH. Refer to [SR-29, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

### 6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.



# B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

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## 7.RELATED HARNESS

---

Replace the related harness.

>> **END**

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# B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS >

## B1428 SEAT BELT BUCKLE SWITCH LH

### Description

INFOID:000000012818892

#### 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:000000012818893

#### With CONSULT

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

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

##### Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

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

Erase the DTC using CONSULT.

##### Can the DTC be erased?

YES >> Inspection End.

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

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

##### **NOTE:**

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

##### Is the DTC detected?

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

NO >> Inspection End.

### Diagnosis Procedure

INFOID:000000012818894

##### 1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal
- Loose terminal

# B1428 SEAT BELT BUCKLE SWITCH LH

## < DTC/CIRCUIT DIAGNOSIS >

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- Poor connection

**NOTE:**

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

Is the inspection result normal?

YES >> GO TO 2.

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

## 2.CONFIRM DTC

---

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

Is DTC still current?

YES >> GO TO 3

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 3.WIRING HARNESS

---

Check the wiring harness for visible damage.

**NOTE:**

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

## 4.CONFIRM DTC

---

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 5.SEAT BELT BUCKLE SWITCH LH

---

1. Replace the seat belt buckle switch LH. Refer to [SB-8, "Front Seat Belt"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

## 6.AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

## 7.RELATED HARNESS

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Replace the related harness.

>> **END**

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# B1429 SEAT BELT BUCKLE SWITCH RH

< DTC/CIRCUIT DIAGNOSIS >

## B1429 SEAT BELT BUCKLE SWITCH RH

### Description

INFOID:000000012818895

#### DTC B1429 SEAT BELT BUCKLE SWITCH RH

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

#### PART LOCATION

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

### DTC Logic

INFOID:000000012818896

#### DTC DETECTION LOGIC

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

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

##### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-92, "Diagnosis Procedure"](#).  
YES (Past DTC)>>GO TO 2.  
NO >> Inspection End.

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

Erase the DTC using CONSULT.

##### Can the DTC be erased?

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

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

##### NOTE:

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

##### Is the DTC detected?

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

### Diagnosis Procedure

INFOID:000000012818897

##### 1.HARNES CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

# B1429 SEAT BELT BUCKLE SWITCH RH

## < DTC/CIRCUIT DIAGNOSIS >

---

### NOTE:

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

### Is the inspection result normal?

YES >> GO TO 2.

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

## 2.CONFIRM DTC

---

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

### Is DTC still current?

YES >> GO TO 3

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 3.WIRING HARNESS

---

Check the wiring harness for visible damage.

### NOTE:

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

### Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

## 4.CONFIRM DTC

---

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

### Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 5.SEAT BELT BUCKLE SWITCH RH

---

Replace the seat belt buckle switch RH. Refer to [SB-8, "Front Seat Belt"](#).

>> GO TO 6

## 6.AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

### Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

## 7.RELATED HARNESS

---

Replace the related harness.

>> END

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# B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

## B1430 SEAT BELT PRE-TENSIONER

### Description

INFOID:0000000012818898

#### DTC B1430 SEAT BELT PRE-TENSIONER LH

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

#### PART LOCATION

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

### DTC Logic

INFOID:0000000012818899

#### With CONSULT

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

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

##### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-94, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

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

Erase the DTC using CONSULT.

##### Can the DTC be erased?

YES >> Inspection End.

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

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

##### **NOTE:**

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

##### Is the DTC detected?

YES >> Refer to [SRC-94, "Diagnosis Procedure"](#).

NO >> Inspection End.

### Diagnosis Procedure

INFOID:0000000012818900

##### 1.HARNES CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal

# B1430 SEAT BELT PRE-TENSIONER

## < DTC/CIRCUIT DIAGNOSIS >

---

- Loose terminal
- Poor connection

A

### NOTE:

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

B

### Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

C

## 2.CONFIRM DTC

---

D

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

E

### Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

F

## 3.WIRING HARNESS

---

Check the wiring harness for visible damage.

G

### NOTE:

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

SRC

### Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

I

## 4.CONFIRM DTC

---

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

J

### Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

K

## 5.SEAT BELT PRE-TENSIONER LH

---

L

1. Replace the seat belt pre-tensioner LH. Refer to [SR-32, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

M

### Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

N

## 6.AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

O

### Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

P

## 7.RELATED HARNESS

---

Replace the related harness.

>> END

# B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

## B1431 SEAT BELT PRE-TENSIONER

### Description

INFOID:0000000012818901

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

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

#### PART LOCATION

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

### DTC Logic

INFOID:0000000012818902

#### With CONSULT

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B1431-13	PRE-TEN FRONT RH CIRCUIT	[OPEN] RH seat belt pre-tensioner circuit is open (shoulder belt)
B1431-12		[VB-SHORT] RH seat belt pre-tensioner circuit is shorted to power supply circuit (shoulder belt)
B1431-11		[GND-SHORT] RH seat belt pre-tensioner circuit is shorted to ground (shoulder belt)
B1431-1A		[SHORT] RH seat belt pre-tensioner circuits are shorted to each other (shoulder belt)

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

##### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-96, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

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

Erase the DTC using CONSULT.

##### Can the DTC be erased?

YES >> Inspection End.

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

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

##### **NOTE:**

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

##### Is the DTC detected?

YES >> Refer to [SRC-96, "Diagnosis Procedure"](#).

NO >> Inspection End.

### Diagnosis Procedure

INFOID:0000000012818903

##### 1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal



# B1431 SEAT BELT PRE-TENSIONER

## < DTC/CIRCUIT DIAGNOSIS >

---

- Loose terminal
- Poor connection

A

### NOTE:

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

B

### Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

C

## 2.CONFIRM DTC

---

D

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

E

### Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

F

## 3.WIRING HARNESS

---

Check the wiring harness for visible damage.

G

### NOTE:

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

SRC

### Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

I

## 4.CONFIRM DTC

---

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

J

### Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

K

## 5.SEAT BELT PRE-TENSIONER RH

---

L

1. Replace the seat belt pre-tensioner RH. Refer to [SR-32, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

M

### Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

N

## 6.AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

O

### Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

P

## 7.RELATED HARNESS

---

Replace the related harness.

>> END

# B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

## B142A IGNITION VOLTAGE

### Description

INFOID:0000000012818904

#### 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:0000000012818905

#### DTC DETECTION LOGIC

With CONSULT

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B142A-16	IGN VOLTAGE	[VB-LOW]	Ignition voltage low at air bag diagnosis sensor unit.
B142A-17		[VB-HIGH]	Ignition voltage high at air bag diagnosis sensor unit.

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

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

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

##### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-98, "Diagnosis Procedure"](#).  
YES (Past DTC)>>GO TO 2.  
NO >> Inspection End.

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

Erase the DTC using CONSULT.

##### Can the DTC be erased?

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

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "Trouble Diagnosis without CONSULT"](#).

##### **NOTE:**

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

##### Is the DTC detected?

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

### Diagnosis Procedure

INFOID:0000000012818906

##### 1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

##### **NOTE:**

# B142A IGNITION VOLTAGE

## < DTC/CIRCUIT DIAGNOSIS >

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

### Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

## 2.CONFIRM DTC

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

### Is DTC still current?

YES >> GO TO 3

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 3.WIRING HARNESS

Check the wiring harness for visible damage.

### **NOTE:**

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

### Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

## 4.CONFIRM DTC

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

### Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-43, "Intermittent Incident"](#).

## 5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

### Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

## 6.RELATED HARNESS

Replace the related harness.

>> **END**

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# B142X COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

## B142X COLLISION DETECTION

### Description

INFOID:0000000012818907

#### 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:0000000012818908

#### With CONSULT

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1421-00	FRONTAL COLLISION	[—]	Frontal collision detected. Driver and/or front passenger air bag modules are deployed.
B1422-00	SIDE COLLISION	[—]	Side collision detected. Curtain air bag module and seat belt pre-tensioner are deployed.

#### 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-100, "Diagnosis Procedure"](#).

NO >> Inspection End.

### Diagnosis Procedure

INFOID:0000000012818909

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

# B14XX AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

## B14XX AIR BAG DIAGNOSIS SENSOR UNIT

### Description

INFOID:0000000012818910

### DTC B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

The air bag diagnosis sensor unit will run self diagnostics when the ignition switch is turned ON. It has the potential to set many diagnostic trouble codes which will conform to the B1XXX format, but will not match any other SRS diagnostic trouble codes. Refer to [SRC-15. "CONSULT Function \(AIR BAG\)"](#).

### DTC Logic

INFOID:0000000012818911

### With CONSULT

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
	CONTROL UNIT	[UNIT FAIL]	
B14XX	AIRBAG DISPOSAL COMPLETION	[—]	Air bag diagnosis sensor unit is malfunctioning.

### DTC CONFIRMATION PROCEDURE (With CONSULT)

#### 1. CHECK SELF-DIAG RESULT

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

#### Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-101. "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

#### 2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

#### Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-101. "Diagnosis Procedure"](#).

### DTC CONFIRMATION PROCEDURE (Without CONSULT)

#### 1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15. "Trouble Diagnosis without CONSULT"](#).

#### **NOTE:**

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

#### Is the DTC detected?

YES >> Refer to [SRC-101. "Diagnosis Procedure"](#).

NO >> Inspection End.

### Diagnosis Procedure

INFOID:0000000012818912

#### 1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

#### **NOTE:**

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

#### Is the inspection result normal?

## B14XX AIR BAG DIAGNOSIS SENSOR UNIT

### < DTC/CIRCUIT DIAGNOSIS >

---

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

### 2.CONFIRM DTC

---

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

#### Is DTC still current?

- YES >> GO TO 3.  
NO >> Refer to [GI-43, "Intermittent Incident"](#).

### 3.WIRING HARNESS

---

Check the wiring harness for visible damage.

#### **NOTE:**

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

#### Is the inspection result normal?

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

### 4.CONFIRM DTC

---

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

#### Is DTC still current?

- YES >> GO TO 5.  
NO >> Refer to [GI-43, "Intermittent Incident"](#).

### 5.AIR BAG DIAGNOSIS SENSOR UNIT

---

1. Replace the air bag diagnosis sensor unit. Refer to [SR-33, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

#### Is DTC still current?

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

### 6.RELATED HARNESS

---

Replace the related harness.

>> **END**

# B1427 CONFIG SETTING

< DTC/CIRCUIT DIAGNOSIS >

## B1427 CONFIG SETTING

DTC Description

INFOID:000000012818913

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1427-55	ECU SETTING (Configuration setting)	[NOT CONFIGURED]	Air bag diagnosis sensor unit not configured

Diagnosis Procedure

INFOID:000000012818914

### 1.PERFORM CONFIGURATION

Perform configuration for air bag diagnosis sensor unit.

>> Refer to [SRC-40, "CONFIGURATION : Work Procedure"](#).

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# 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:0000000012521503

#### 1. CHECK METER FUSE

---

Check the 10A fuse [No. 12, 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. 12, 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-33. "Removal and Installation"](#).

NO >> Replace the combination meter. Refer to [MWI-68. "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:000000012521504

#### 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. 13, 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. 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.

#### 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-33. "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-33. "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:000000012521505

#### 1. SEAT BELT WARNING LIGHTS

---

Turn ignition switch ON.

Do the seat belt warning lamps come ON?

- YES >> GO TO 2  
NO >> • Check 10A fuse [No. 12, located in the fuse block (J/B)].  
• Check seat belt buckle switch LH/RH.  
• Check harness between combination meter and seat belt buckle switch LH/RH.  
• Check combination meter. Refer to [MWI-21, "Fail Safe"](#).

#### 2. SEAT BELT BUCKLE SWITCH LH

---

Fasten the seat belt buckle LH.

Does the driver seat belt warning lamp go OFF?

- YES >> GO TO 3  
NO >> • Check seat belt buckle switch LH.  
• Check harness between combination meter, seat belt buckle switch LH and air bag diagnosis sensor unit.

#### 3. SEAT BELT BUCKLE SWITCH RH

---

Fasten the seat belt buckle RH.

Does the passenger seat belt warning lamp go OFF?

- YES >> System OK.  
NO >> • Check seat belt buckle switch RH.  
• Check harness between combination meter, seat belt buckle switch RH and air bag diagnosis sensor unit.  
• Check combination meter. Refer to [MWI-21, "Fail Safe"](#).