### SRS AIRBAG CONTROL SYSTEM

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### PRECAUTION PRECAUTIONS

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

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

### WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.
- Improper repair, 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 Air Bag Diagnosis Sensor Unit or other Air Bag 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 or batteries, and wait at least three minutes before performing any service.

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

INFOID:000000012159625

- 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.

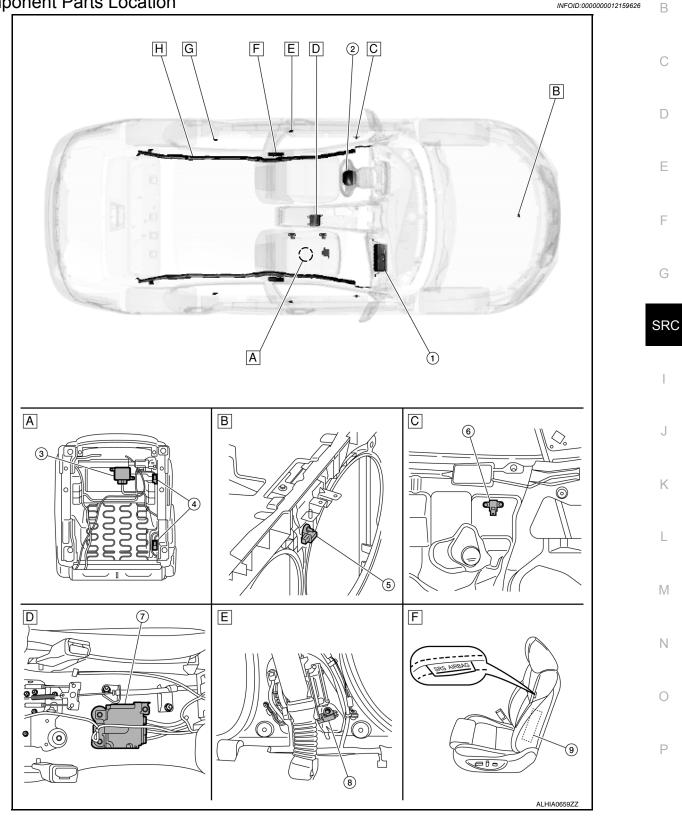
- The air bag diagnosis sensor unit must always be installed with the arrow mark "
   pointing toward the front
   of the vehicle for proper operation. Also check air bag diagnosis sensor unit for cracks, deformities or rust
   before installation and replace as required.
- The spiral cable must be aligned 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**

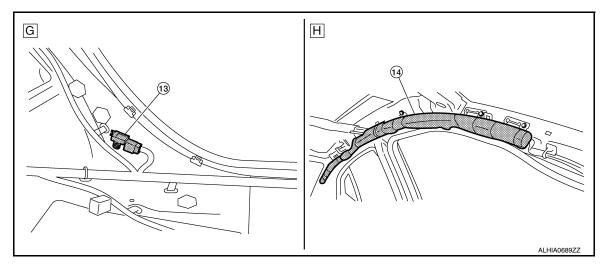
**Component Parts Location** 



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### **COMPONENT PARTS**

### < SYSTEM DESCRIPTION >



- A. Bottom of passenger seat (view with passenger seat removed)
- D. Between driver and passenger seat (view with center console removed)
- G. Left of rear passenger seat (view with rear kicking plate inner LH removed)
- E. Left of passenger seat (view with center pillar lower finisher removed)

Front of engine compartment

Β.

- H. Left side of roof line (view with headliner and front pillar finisher removed)
- C. Driver door area (view with front door finisher LH removed)
- F. Driver seat area

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No.	Component	Function
1.	Front passenger air bag module	Refer to SRC-7, "Front Passenger Air Bag Module".
2.	Driver air bag module	Refer to <u>SRC-7</u> , "Driver Air Bag Module".
3.	Occupant classification system control unit	Refer to SRC-12. "OCCUPANT CLASSIFICATION SYSTEM : System Description".
4.	Occupant classification sensors	Refer to SRC-12, "OCCUPANT CLASSIFICATION SYSTEM : System Description".
5.	Crash zone sensor	Refer to SRC-8. "Crash Zone Sensor".
6.	Front door satellite sensor LH	Refer to SRC-9. "Front Door Satellite Sensor".
7.	Air bag diagnosis sensor unit	Refer to SRC-8, "Air Bag Diagnosis Sensor Unit".
8.	Front side air bag (satellite) sen- sor LH	Refer to SRC-8, "Front Side Air Bag Satellite Sensor".
9.	Front LH side air bag module LH	Refer to SRC-7, "Front Passenger Air Bag Module".
10.	Rear side air bag satellite sensor LH	Refer to SRC-9, "Rear Side Air Bag Satellite Sensor".
11.	LH side curtain air bag module	Refer to SRC-7, "Side Curtain Air Bag Module".

### **Component Description**

### < SYSTEM DESCRIPTION >

sion exceeding a specified level.

### Driver Air Bag Module

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SRS AIRBAG ALHIA06427

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Front Passenger Air Bag Module

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

The driver air bag module is single stage and located in the steering wheel assembly. It operates with the SRS system in a frontal colli-

### Side Air Bag Module

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

### Side Curtain Air Bag Module

Side curtain air bag modules are located above the vehicle headlining. Vehicles with side curtain air bags are equipped with labels on the pillar upper finishers.

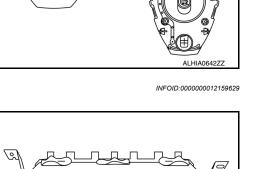


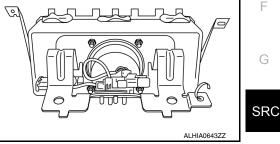
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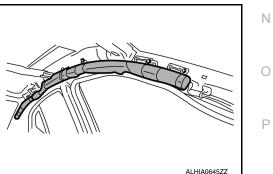
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### < SYSTEM DESCRIPTION >

### Front Seat Belt Pre-tensioner

The seat belt pre-tensioner system with load limiter is installed for both the driver seat and the front passenger seat. It operates simultaneously with the SRS air bag system in the event of a frontal collision with an impact exceeding a specified level.

When a frontal collision with an impact exceeding a specified level occurs, seat belt slack resulting from clothing or other factors is immediately taken up by the shoulder belt pre-tensioner (1) as well as the passenger seat lap belt pre-tensioner (2). Vehicle passengers are securely restrained.

When passengers in a vehicle are thrown forward in a collision and the restraining force of the seat belt exceeds a specified level, the load limiter permits the specified extension of the seat belt by the

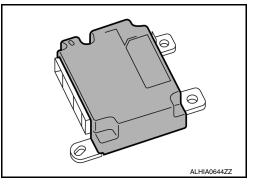
twisting of the ELR shaft and a relaxation of the chest-area seat belt web tension while maintaining force.

### Air Bag Diagnosis Sensor Unit

Crash Zone Sensor

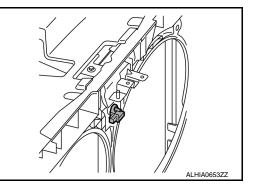
The air bag diagnosis sensor unit is located under the center console assembly. The air bag diagnosis sensor unit receives signals from multiple SRS sensors and controls the deployment of the air bags. The deployment of the air bags depends on the type and severity of the collision. The air bag diagnosis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

The crash zone sensor is located behind the radiator attached to the hood release bracket. The crash zone sensor sends signals to the air bag diagnosis sensor unit during a frontal collision. This sensor



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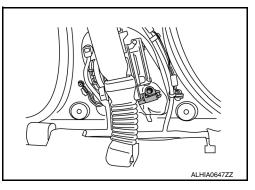


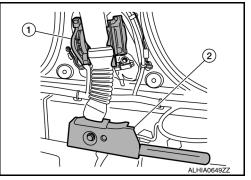
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### Front Side Air Bag Satellite Sensor

may be identified by a yellow connector.

The front side air bag satellite sensors are located on the front center pillar LH and RH next to the seat belt pre-tensioners. The front side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.





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### **COMPONENT PARTS**

### < SYSTEM DESCRIPTION >

### Rear Side Air Bag Satellite Sensor

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

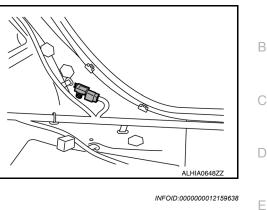
### Front Door Satellite Sensor

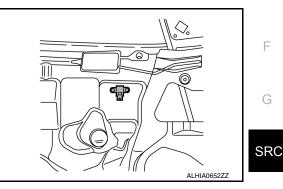
The front door satellite sensors are located in the driver and passenger doors. The front door satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.

### Front Passenger Air Bag Off Indicator

Front passenger air bag OFF indicator indicates whether or not passenger air bag is in the activation mode based on the judgment of occupant detection system.

## SRS Component Connectors M DIRECT CONNECT The following SRS components use direct-connect style harness connectors: N • Driver front air bag module • Passenger front air bag module N • LH side curtain air bag module • RH side curtain air bag module O • Front LH seat belt pre-tensioner • Front RH seat belt pre-tensioner O





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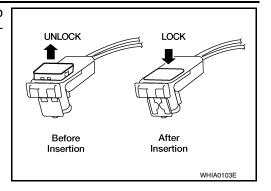


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### **COMPONENT PARTS**

### < SYSTEM DESCRIPTION >

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

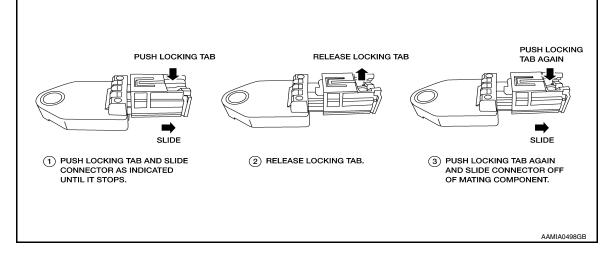


### SLIDE DOUBLE LOCKING

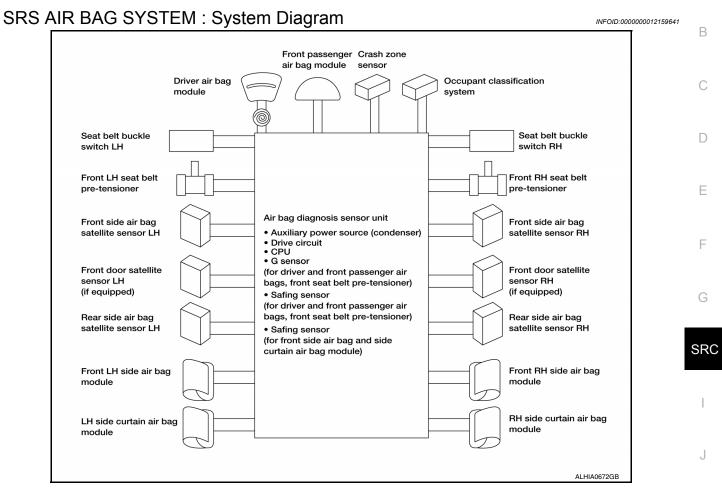
- A new style slide double locking type connector is used on certain systems and components especially those related to air bag control systems.
- The slide double locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide double locking type connectors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

### **CAUTION:**

### • Do not pull the harness or wires when disconnecting the connector.



### SYSTEM SRS AIR BAG SYSTEM



### 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-tensioner are activated in a frontal collision but not in a side collision.

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

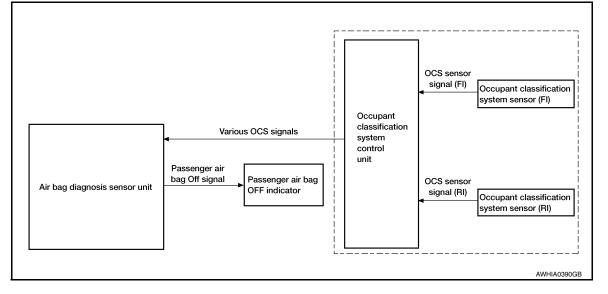
### SRS Collision Modes

### OCCUPANT CLASSIFICATION SYSTEM

### SYSTEM

### < SYSTEM DESCRIPTION >

### **OCCUPANT CLASSIFICATION SYSTEM : System Diagram**



### **OCCUPANT CLASSIFICATION SYSTEM : System Description**

INFOID:000000012159644

INFOID:000000012159643

The occupant classification system (OCS) identifies different size occupants, out of position occupants, and detects if a child seat is present in the front passenger seat. The OCS control unit (1) receives inputs from the occupant classification sensors (2) (located inside the passenger seat cushion assembly). Depending on classification of the passenger, the OCS sends a signal to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit uses this signal and the seat belt buckle switch RH signal to determine deployment or non-deployment of the passenger front air bag in the event of a collision. Depending on the signals received, the air bag diagnosis sensor unit can disable the passenger front air bag completely. The OCS (weight sensors) must be set to zero point using CONSULT after servicing the OCS system.

NOTE:

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

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

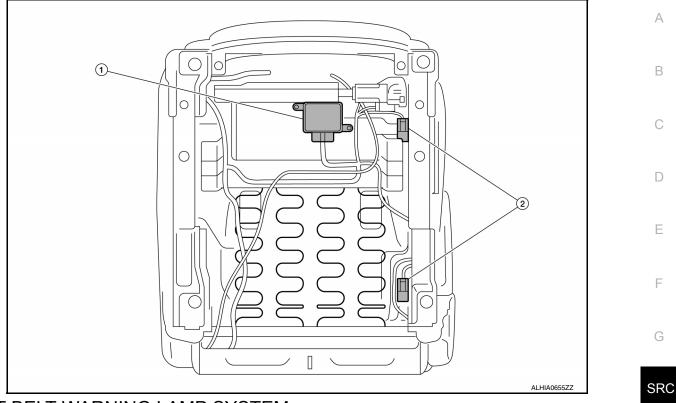
### Passenger Air Bag Status Conditions

### NOTE:

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

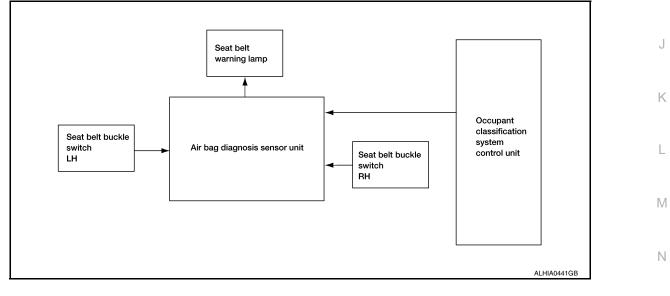
### SYSTEM

### < SYSTEM DESCRIPTION >



### SEAT BELT WARNING LAMP SYSTEM

### SEAT BELT WARNING LAMP SYSTEM : System Diagram



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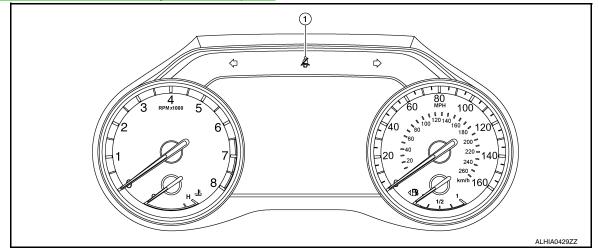
### SYSTEM

### < SYSTEM DESCRIPTION >

### SEAT BELT WARNING LAMP SYSTEM : System Description

INFOID:000000012159646

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



### Seat Belt Warning System Operation

Driver seat status (ignition switch ON)	Passenger seat status	Seat belt buckle switch LH status	Seat belt buckle switch RH status	Seat belt warning lamp
	Sectosounied		Buckled	Off
Cost convinied	Seat occupied	Buckled	Unbuckled	On
Seat occupied	Seat unoccupied	-		Off
	—	Unbuckled		On

### **DIAGNOSIS SYSTEM (AIR BAG)**

### < SYSTEM DESCRIPTION > **DIAGNOSIS SYSTEM (AIR BAG)** Diagnosis Description INFOID:000000012159647 **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 Perform Preliminary Check. Battery Fuses Harness connections DIAGNOSIS METHODS

SRS "Self Diagnostic Result" 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	Х	Х	ON/OFF
CONSULT	_	Х	Monitoring

### SRS Operation Check

INFOID:000000012159648

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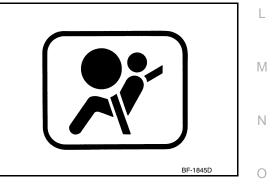
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### USER MODE

- 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 >

bag warning lamp flashing pattern (User Mode)		
Warning lamp	SRS condition	Reference item
ON OFF 7 sec. SHIA0011E	<ul> <li>No malfunction is detected.</li> <li>No further action is necessary.</li> </ul>	
	<ul><li>Air bag is deployed.</li><li>Seat belt pre-tensioner is deployed.</li></ul>	Refer to <u>SR-5</u> , "For Frontal Collision or <u>SR-7</u> , "For Side and Rollover Co <u>lision"</u> .
IGN ON ON OFF	<ul> <li>Air bag diagnosis sensor unit is mal- functioning.</li> <li>Air bag power supply circuit is mal- functioning.</li> <li>SRS air bag warning lamp circuit is malfunctioning.</li> </ul>	Refer to <u>SRC-143, "Air Bag Warning</u> Lamp Does Not Turn Off".
SHIA0013E		
IGN ON ON OFF	<ul> <li>Air bag diagnosis sensor unit is mal- functioning.</li> <li>Air bag warning lamp circuit is mal- functioning.</li> </ul>	Refer to <u>SRC-142, "Air Bag Warning</u> Lamp Does Not Turn On".
SHIA0014E		

### Trouble Diagnosis with CONSULT

INFOID:000000012159649

- 1. Connect CONSULT.
- 2. DTC is displayed on SELF DIAGNOSTIC RESULT.

### NOTE:

If a malfunction is not detected on "Self Diagnostic Result [CURRENT]", but a malfunction is detected during SRS Operation Check, the following cases may exist:

- "Self Diagnostic Result [PAST]" memory might not be erased. Refer to SRC-16, "SRS Final Check".
- SRS system malfunctions intermittently. Refer to <u>SRC-41, "Inspection Procedure"</u>.

### SRS History Check

INFOID:000000012159650

INFOID:000000012159651

### SRS HISTORY CHECK

- Check repair history of the SRS. If no repairs have been made, perform <u>SRC-15</u>, "<u>SRS Operation Check</u>". If repairs have been made, GO TO step 2.
- 2. Erase "Self Diagnostic Result [PAST]" after repair. Refer to SRC-16, "SRS Final Check".

### SRS Final Check

### DIAGNOSIS MODE

1. Connect CONSULT.

Revision: October 2015

2016 Maxima NAM

### **DIAGNOSIS SYSTEM (AIR BAG)**

### < SYSTEM DESCRIPTION >

- 2. Confirm that zero point reset of OCS is complete.
- If no DTCs are detected on "Self Diagnostic Result [CURRENT]", repair of SRS is completed. Go to step A
   4.

If any DTCs are detected on "Self Diagnostic Result [CURRENT]", the malfunction has not been repaired completely or another malfunction is being detected. Perform SRS Operation Check again. Refer to <u>SRC-15. "SRS Operation Check"</u>.

Touch "ERASE".
 NOTE:

Touching "ERASE" will clear the SRS memory of the malfunction ("Self Diagnostic Result [PAST]"). If "Self Diagnostic Result [PAST]" is not erased, User Mode may show the previous system malfunction even if the malfunction has been repaired completely.

- 5. Check that no malfunction is detected in "Self Diagnostic Result [PAST]".
- 6. Exit Diagnosis Mode and disconnect the CONSULT.
- 7. Perform SRS Operation Check. Refer to <u>SRC-15, "SRS Operation Check"</u>.

### CONSULT Function (AIR BAG)

### **CAUTION:**

After disconnecting the CONSULT vehicle interface (VI) from the data link connector, the ignition must be cycled OFF  $\rightarrow$  ON (for at least 5 seconds)  $\rightarrow$  OFF. If this step is not performed, the BCM may not go to "sleep mode", potentially causing a discharged battery and no-start condition.

### APPLICATION ITEMS

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

Diagnostic Test Mode	Diagnostic Item	Description	SRC
"Self Diagnostic Result"	SELF DIAGNOSTIC RESULT [CURRENT]	A current "Self Diagnostic Result" (also indicated by the number of warning lamp flashes in the Diagnosis mode) is displayed on the CONSULT screen in real time. This refers to a malfunctioning part requiring repairs.	
"Data Monitor"	DATA MONITOR	Displays air bag diagnosis sensor unit input/output data in real time.	
"ECU Identification"	ECU DISCRIMINATED NO.	Air bag diagnosis sensor unit ECU discriminated number (identifica- tion number) or part number is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification num- ber) or part number based on model and equipment.	J
"TROUBLE DIAG RECORD"	TROUBLE DIAG RECORD [PAST]	With "TROUBLE DIAG RECORD", diagnosis results previously erased by a reset operation can be displayed on the CONSULT screen.	K

### CONSULT Function (OCCUPANT DETECTION)

INFOID:000000012159653

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

Diagnostic Test Mode	Diagnostic Item	Description	IVI
"Work support"	ZERO POINT RESET FUNCTION	Perform zero point reset. Refer to <u>SRC-39. "ZERO POINT RESET : Spe-</u> cial Repair Requirement".	Ν

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### ECU DIAGNOSIS INFORMATION DIAGNOSIS SENSOR UNIT

DTC Index

DTC	Diagnostic item	Reference page
U1000–01	CAN COMM CIRCUIT	SRC-42, "Diagnosis Pro cedure"
U1010–49	CONTROL UNIT (CAN)	SRC-43. "Diagnosis Pro cedure"
B0001–00	DRIVER AIRBAG MODULE [SHORT]	
B0001–09	DRIVER AIRBAG MODULE [SHORT]	
B0001–11	DRIVER AIRBAG MODULE [GND-SHORT]	SRC-45, "Diagnosis Pro
B0001–12	DRIVER AIRBAG MODULE [VB-SHORT]	cedure"
B0001–13	DRIVER AIRBAG MODULE [OPEN]	
B0001–1A	DRIVER AIRBAG MODULE [SHORT]	
B0002–00	DRIVER AIRBAG MODULE 2 [SHORT]	
B0002–09	DRIVER AIRBAG MODULE 2 [SHORT]	
B0002–11	DRIVER AIRBAG MODULE 2 [GND-SHORT]	SRC-45, "Diagnosis Pro
B0002–12	DRIVER AIRBAG MODULE 2 [VB-SHORT]	cedure"
B0002–13	DRIVER AIRBAG MODULE 2 [OPEN]	
B0002–1A	DRIVER AIRBAG MODULE 2 [SHORT]	
B0010–09	ASSIST A/B MODULE [SHORT]	
B0010–11	ASSIST A/B MODULE [GND-SHORT]	
B0010–12	ASSIST A/B MODULE [VB-SHORT]	SRC-49. "Diagnosis Pro
B0010–13	ASSIST A/B MODULE [OPEN]	
B0010–1A	ASSIST A/B MODULE [SHORT]	
B0011–09	ASSIST A/B MODULE 2 [SHORT]	
B0011–11	ASSIST A/B MODULE 2 [GND-SHORT]	
B0011–12	ASSIST A/B MODULE 2 [VB-SHORT]	SRC-49, "Diagnosis Pro cedure"
B0011–13	ASSIST A/B MODULE 2 [OPEN]	
B0011–1A	ASSIST A/B MODULE 2 [SHORT]	
B0020–09	SIDE A/B MODULE LH [SHORT]	
B0020–11	SIDE A/B MODULE LH [GND-SHORT]	
B0020–12	SIDE A/B MODULE LH [VB-SHORT]	SRC-52, "Diagnosis Pro
B0020–13	SIDE A/B MODULE LH [OPEN]	
B0020–1A	SIDE A/B MODULE LH [SHORT]	
B0021–09	CURTAIN A/B MODULE LH [SHORT]	
B0021–11	CURTAIN A/B MODULE LH [GND-SHORT]	
B0021–12	CURTAIN A/B MODULE LH [VB-SHORT]	SRC-58, "Diagnosis Pro
B0021–13	CURTAIN A/B MODULE LH [OPEN]	
B0021–1A	CURTAIN A/B MODULE LH [SHORT]	

### < ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Reference page
B0028–09	SIDE A/B MODULE RH [SHORT]	
B0028–11	SIDE A/B MODULE RH [GND-SHORT]	
B0028–12	SIDE A/B MODULE RH [VB-SHORT]	SRC-55, "Diagnosis Pro- cedure"
B0028–13	SIDE A/B MODULE RH [OPEN]	
B0028–1A	SIDE A/B MODULE RH [SHORT]	
B0029–09	CURTAIN A/B MODULE RH [SHORT]	
B0029–11	CURTAIN A/B MODULE RH [GND-SHORT]	
B0029–12	CURTAIN A/B MODULE RH [VB-SHORT]	SRC-61, "Diagnosis Pro- cedure"
B0029–13	CURTAIN A/B MODULE RH [OPEN]	
B0029–1A	CURTAIN A/B MODULE RH [SHORT]	
B0091–11	B-PILLAR SAT SEN LH [GND-SHORT]	
B0091–23	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]	
B0091–24	B-PILLAR SAT SEN LH [UPPER LIMIT ERR]	
B0091–25	B-PILLAR SAT SEN LH [SELF-DIAG ERR]	
B0091–28	B-PILLAR SAT SEN LH [OFFSET ERR]	SRC-69, "Diagnosis Pro- cedure"
B0091–81	B-PILLAR SAT SEN LH [COMM ERR]	
B0091–86	B-PILLAR SAT SEN LH [UNMATCH]	
B0091–88	B-PILLAR SAT SEN LH [OPEN]	
B0091–93	B-PILLAR SAT SEN LH [RESET]	
B0092–11	C-PILLAR SAT SEN LH [GND-SHORT]	
B0092–23	C-PILLAR SAT SEN LH [LOWER LIMIT ERR]	
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]	SRC-79, "Diagnosis Pro- cedure"
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]	
B0093–11	DOOR SATEL SENS LH [GND-SHORT]	
B0093–23	DOOR SATEL SENS LH [LOWER LIMIT ERR]	
B0093–24	DOOR SATEL SENS LH [UPPER LIMIT ERR]	
B0093–25	DOOR SATEL SENS LH [SELF-DIAG ERR]	
B0093–28	DOOR SATEL SENS LH [OFFSET ERR]	SRC-88, "Diagnosis Pro- cedure"
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]	

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### < ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Reference page
B0094–11	CRASH ZONE SENS [GND-SHORT]	
B0094–23	CRASH ZONE SENS [LOWER LIMIT ERR]	
B0094–24	CRASH ZONE SENS [UPPER LIMIT ERR]	
B0094–25	CRASH ZONE SENS [SELF-DIAG ERR]	
B0094–28	CRASH ZONE SENS [OFFSET ERR]	SRC-64, "Diagnosis Pro- cedure"
B0094–81	CRASH ZONE SENS [COMM ERR]	
B0094–86	CRASH ZONE SENS [UNMATCH]	
B0094–88	CRASH ZONE SENS [OPEN]	
B0094–93	CRASH ZONE SENS [RESET]	
B0096–11	B-PILLAR SAT SEN RH [GND-SHORT]	
B0096–23	B-PILLAR SAT SEN RH [LOWER LIMIT ERR]	
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]	SRC-75, "Diagnosis Pro cedure"
B0096–81	B-PILLAR SAT SEN RH [COMM ERR]	
B0096–86	B-PILLAR SAT SEN RH [UNMATCH]	
B0096–88	B-PILLAR SAT SEN RH [OPEN]	
B0096–93	B-PILLAR SAT SEN RH [RESET]	
B0097–11	C-PILLAR SAT SEN RH [GND-SHORT]	
B0097–23	C-PILLAR SAT SEN RH [LOWER LIMIT ERR]	
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]	SRC-83, "Diagnosis Pro cedure"
B0097–81	C-PILLAR SAT SEN RH [COMM ERR]	
B0097–86	C-PILLAR SAT SEN RH [UNMATCH]	
B0097–88	C-PILLAR SAT SEN RH [OPEN]	
B0097–93	C-PILLAR SAT SEN RH [RESET]	
B0098–11	DOOR SATEL SENS RH [GND-SHORT]	
B0098–23	DOOR SATEL SENS RH [LOWER LIMIT ERR]	
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]	<u>SRC-92, "Diagnosis Pro</u> cedure"
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]	

### < ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Reference page
B00A0-00	OCCUPANT SENS [ABNORMAL VOLTAGE]	
B00A0-02	OCCUPANT SENS [UNIT MALFUNC]	
B00A0-09	OCCUPANT SENS [UNIT MALFUNC]	SRC-96, "Diagnosis Pro- cedure (B00A0-00, -02 or
B00A0-04	OCCUPANT SENS C/U [UNIT MALFUNC]	-09)",SRC-97, "Diagnosis
B00A0-83	OCCUPANT SENS C/U [COMM ERR]	Procedure (B00A0-
B00A0-86	OCCUPANT SENS C/U [COMM ERR]	04)",SRC-98, "Diagnosis Procedure (B00A0-83, -
B00A0-87	OCCUPANT SENS C/U [COMM ERR]	86, -87, -88 or -8F)", SRC-
B00A0-88	OCCUPANT SENS C/U [COMM ERR]	<u>99, "Diagnosis Procedure</u> (B00A0-93)"
B00A0-8F	OCCUPANT SENS C/U [UNDEFINED]	
B00A0-93	OCCUPANT SENS C/U [RESET]	
B00D5–04	PASS A/B INDCTR CKT [UNIT MALFUNC]	
B00D5–11	PASS A/B INDCTR CKT [GND-SHORT]	
B00D5–12	PASS A/B INDCTR CKT [VB-SHORT]	SRC-103, "Diagnosis Pro- cedure"
B00D5–13	PASS A/B INDCTR CKT [OPEN]	
B00D5–15	PASS A/B INDCTR CKT [PWR-SHORT/OPEN]	
B1428–13	BUCKLE SW LH CIRCUIT [OPEN]	
B1428–12	BUCKLE SW LH CIRCUIT [VB-SHORT]	SRC-106, "Diagnosis Pro-
B1428–11	BUCKLE SW LH CIRCUIT [GND-SHORT]	cedure"
B1428–00	BUCKLE SW LH CIRCUIT [UNDEFINED]	
B1429–13	BUCKLE SW RH CIRCUIT [OPEN]	
B1429–12	BUCKLE SW RH CIRCUIT [VB-SHORT]	SRC-109, "Diagnosis Pro-
B1429–11	BUCKLE SW RH CIRCUIT [GND-SHORT]	cedure"
B1429–00	BUCKLE SW RH CIRCUIT [UNDEFINED]	
B1430–09	PRE-TEN FRONT LH [SHORT]	
B1430–11	PRE-TEN FRONT LH [GND-SHORT]	
B1430–12	PRE-TEN FRONT LH [VB-SHORT]	SRC-112, "Diagnosis Pro- cedure"
B1430–13	PRE-TEN FRONT LH [OPEN]	
B1430–1A	PRE-TEN FRONT LH [SHORT]	
B1431–09	PRE-TEN FRONT RH [SHORT]	
B1431–11	PRE-TEN FRONT RH [GND-SHORT]	
B1431–12	PRE-TEN FRONT RH [VB-SHORT]	SRC-115, "Diagnosis Pro- cedure"
B1431–13	PRE-TEN FRONT RH [OPEN]	
B1431–1A	PRE-TEN FRONT RH [SHORT]	
B1432–09	PRE-TEN FRONT RH [SHORT]	
B1432–11	PRE-TEN FRONT RH [GND-SHORT]	
B1432–12	PRE-TEN FRONT RH [VB-SHORT]	SRC-115, "Diagnosis Pro- cedure"
B1432–13	PRE-TEN FRONT RH [OPEN]	
B1432–1A	PRE-TEN FRONT RH [SHORT]	
B1433-09	PRE-TEN FRONT RH 2 [SHORT]	
B1433–11	PRE-TEN FRONT RH 2 [GND-SHORT]	
B1433–12	PRE-TEN FRONT RH 2 [VB-SHORT]	SRC-121, "Diagnosis Pro-
B1433–13	PRE-TEN FRONT RH 2 [OPEN]	<u>cedure"</u>
B1433–1A	PRE-TEN FRONT RH 2 [SHORT]	

DTC	Diagnostic item	Reference page
B1436–09	ACTIVE VENT [SHORT]	
B1436–11	ACTIVE VENT [GND-SHORT]	
B1436–12	ACTIVE VENT [VB-SHORT]	SRC-124, "Diagnosis P cedure"
B1436–13	ACTIVE VENT [OPEN]	<u>964010</u>
B1436–1A	ACTIVE VENT [SHORT]	
B142A–16	IGNITION VOLTAGE [VB-LOW]	SRC-127, "Diagnosis P
B142A–17	IGNITION VOLTAGE [VB-HIGH]	cedure"
B1400-00		
B1401–00		
B1402–00		SRC-131, "Diagnosis P
B1403–00		<u>cedure"</u>
B1404–00		
B1405–00		
B1406–00		
B1407–00		
B1408–00		SRC-133, "Diagnosis F cedure"
B1409–00		
B1410-00	CONTROL UNIT [UNIT MALFUNC]	
B1411–00		
B1412–00		
B1413–00		SRC-134, "Diagnosis F cedure"
B1414-00		
B1415–00		
B1416–00		
B1417–00		
B1418–00		SRC-137, "Diagnosis F cedure"
B1419–00		<u></u>
B1420–00		
B1421–00	FRONTAL COLLISION	
B1422–00	SIDE COLLISION	SRC-131, "Diagnosis F
B1423–00	ROLLOVER DETECTION	cedure"
B1425–00	REAR COLLISION	
B14XX-00	AIRBAG DISPOSAL COMPLETION	SRC-141, "Diagnosis F
B1426–00	AIRBAG DISPOSAL DETECT	cedure"
B1427–55	ECU SETTING	SRC-129, "Diagnosis P cedure"

### WIRING DIAGRAM SRS AIR BAG SYSTEM

### Wiring Diagram



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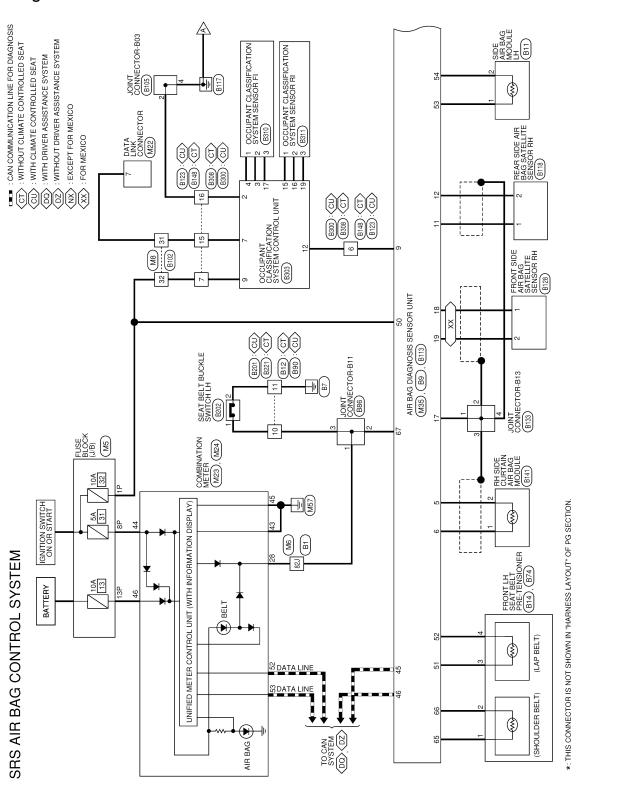
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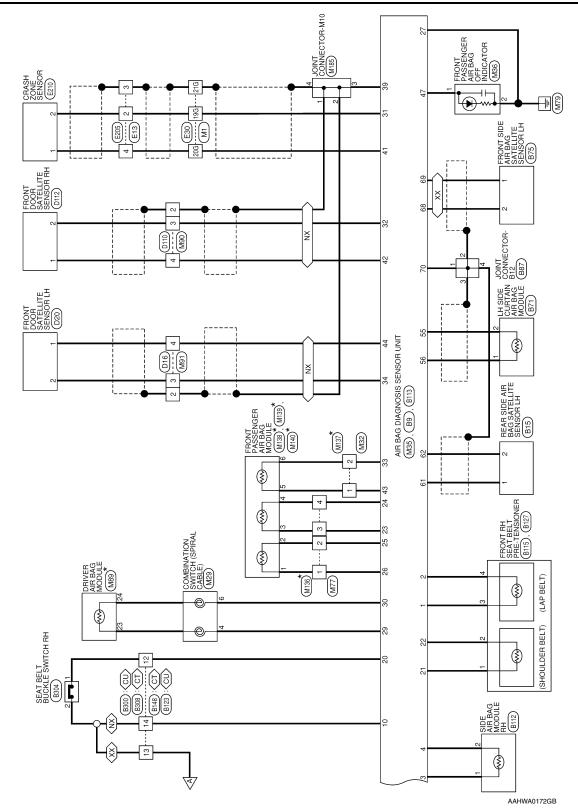
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Name WIRE TO WIRE Type TH80FDGY-CS16-TM4 Color GRAY	Color of Wire         Signal Name           No.         M3           Name         WIRE TO WIRE           Name         WIRE TO WIRE           Type         TH32EW-NH           Color         WHITE           Color         WHITE           Color of P         M3           Color of P         Signal Name           Signal Name         Signal Name	Ş
Connector Name Connector Type Connector Color	Terminal Color Nin. Win. 82.1 Lia Romector No. 33.1 Land Connector No. 22.1 Land No. 22.1 P. 23.1 Land Connector No. 23.1 Land No. 23.1 Land No. 20.1 Land N	

# SRS AIR BAG CONTROL SYSTEM CONNECTORS

< WIRING DIAGRAM >

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3gnal Name       3gnal Name       -        -       -	Signal Name     Signal Name       39     -       -     - <th>Signal Name     Signal Name       3:     -       -     -   <th>33 34 9</th><th>&lt; &lt; +</th></th>	Signal Name     Signal Name       3:     -       -     - <th>33 34 9</th> <th>&lt; &lt; +</th>	33 34 9	< < +
Signal Name         38         5         -         -           -         -         -         -         -           -         -         -         -         -           -         -         -         -         -           -         -         -         -         -           -         -         -         -         -           -         -         -         -         -           -         -         -         -         -           -         -         -         -         -           -         -         -         -         -         -           -         -         -         -         -         -         -           -         -         -         -         -         -         -         -           - <t< th=""><th>Signal Name   </th><th>Signal Name       38       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -</th><th>38</th><th><math>\leq \overline{\mathbf{n}}</math></th></t<>	Signal Name	Signal Name       38       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -         -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -	38	$\leq \overline{\mathbf{n}}$
-         -         -         -         -         -         Terminal         Color of Nine	40         -         -         -         -         Terminal         Color of Nice         No.         Wine         No.         No. <th>40         -         -         -         -         Terminal         Color of Nire         Terminal         Color of Nire         Terminal         Color of Nire         No.         Terminal         Color of Nire         No.         Terminal         Color of Nire         No.         Wire         No.         No.</th> <th>nal Name 39 GR</th> <th></th>	40         -         -         -         -         Terminal         Color of Nire         Terminal         Color of Nire         Terminal         Color of Nire         No.         Terminal         Color of Nire         No.         Terminal         Color of Nire         No.         Wire         No.         No.	nal Name 39 GR	
-         -	-     -<	-     - </td <td>40 Terninal</td> <td></td>	40 Terninal	
43         LG         ACT VENT+         2         V           44         W         UHDORSATELLTE SENSOR+         3         SB         3           45         P         CAN-L         4         Y         3         SB           46         L         CAN-L         3         SB         Y         3           46         L         CAN-L         A         Y         Y         3         SB           47         R         TOLLHOND         CAN-L         A         Y         4         Y         4         Y           48         -<	43     Ld     ACT VENT+     2     V       44     W     LHDOR SAFELLITE SENSOR+     3     SB       45     L     CAN-L     4     Y       46     L     CAN-L     4     Y       47     R     TELLITE LAMP     -       48     -     -     -       49     -     -     -       49     -     -     -       50     P     -     -	43     LG     ACT VENT+     2       44     W     LHDOORATELITE SENSOR+     3       45     P     CAN-L     4       46     L     CAN-L       47     R     TELLTALE LAMP       48     -     -       49     -     -       49     -     -       49     -     -       50     P     IGN	41 W ECZS 1+ 42 W RH DOOR SATELLITE SENSOR+	
44         W         LHDOOR ARTELITE SENSOR+         3         SB           45         P         CAN-L         4         Y         Y           45         P         CAN-L         A         Y         Y         Y           46         L         CAN-L         CAN-L         CAN-L         Y         Y         Y           47         R         TELLTALE LAMP         CAN-H         CAN-H         Y         Y         Y           48         -	44     W     LHDOOR SATELLITE SENSOR+       45     P       45     P       45     CAN-L       47     R       47     R       48     -       49     -       49     -       49     -       49     -       49     -       49     -       49     -       49     -       10     -       10     -	4     W     LH DOOR SATELITE SENSOR+     3       45     P     CAN-L     4       46     L     CAN-L       47     R     TELLTALE LAMP       48     -     -       49     -     -       49     -     -       49     -     -       60     P     -       1     -     -       10     -     -	LG ACT VENT+	
45         P         CAN-L         4         V <td>45     P     CAN-L       46     L     CAN-L       46     L     CAN-L       48     L     CAN-H       43     T     CAN-H       43     T     CAN-H       43     T     CAN-H       43     T     CAN-H       50     P     I       10N     I     I</td> <td>45     P     CAN-L       46     L     CAN-H       47     R     TELLTALE LAMP       48     -     CAN-H       48     -     -       49     -     -       50     P     -       101     -     -</td> <td>44 W LH DOOR SATELLITE SENSOR+</td> <td></td>	45     P     CAN-L       46     L     CAN-L       46     L     CAN-L       48     L     CAN-H       43     T     CAN-H       43     T     CAN-H       43     T     CAN-H       43     T     CAN-H       50     P     I       10N     I     I	45     P     CAN-L       46     L     CAN-H       47     R     TELLTALE LAMP       48     -     CAN-H       48     -     -       49     -     -       50     P     -       101     -     -	44 W LH DOOR SATELLITE SENSOR+	
46     1     7     44       47     R     TellTalE LAMP       48     -     -       49     -     -       49     -     -       50     P     IGN	46     1       47     R       47     R       48     -       48     -       49     -       49     -       49     -       49     -       10     -       10     -       10     -	40     1     0     1     4       47     R     Tell     0       48     -     -     -       49     -     -     -       60     P     -     -       1     -     -     -	44 W ENDOOR OAIELELIE SENSOAF	
47 R 43 R	90 43 43 43 43 43 43 43 43 43 43 43 43 43		45 P CAN-L	
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Signal Name

Color of Wire LG BR

AAHIA0527GB

Terminal No.

Connector No. M138 Connector Name PASSENGER AIR RAG MODULE			Connector Color YELLOW		H.S.		Terminal Color of Signal Name No. Wire		2 L –	Connector No. M139	e				H.S.	4 3		Terminal Color of Signal Name		4 R		Connector No. M140 Connector Name PASSENGER AIR BAG MODULE		Connector Color ORANGE	H.G.		Terminal Color of Signal Name		+			A B C D E
7	Connector No. M136	e			L 正 正 子 引	H.S.		Terminal Color of Signal Name	+		ы 4 К. К. К	-		Connector Name WIRE TO WIRE	-		H.S.	2 1			No. Wire Signal Name		2 Y -									G SR J
Connector No. M89 Connector Name DRIVER AIRRAG MODILIE			Connector Color YELLOW	「山山」	H.S.		Terminal Color of Signal Name No. Wire	+	24 R –	Connector No. M90	e		Connector Color YELLUW		H.S.	1 2 3 4		Terminal Color of Signal Name	WIRe SHIELD	8		Connector No. M91		Connector Type TK04MY-BD Connector Color YELLOW	H.S.	1 2 3 4	-	Terminal Color of Signal Name No. Wire	SHIELD	۳ ۳		K L M

Connector No. E210	e	-		HS.	v Col	2 B	e a	<u> </u>	H.S.	21/1 2201 1501 1501 1501 1501 1501 1501 150	300/254/254/254/254/254/224/224/224/224	41/14(a) 530, 330, 337, 350, 354, 354, 354, 323, 371, 500, 459, 454, 471, 450, 472, 480, 472, 420, 422,	614) 6601 584 584 574 564 584 584 583 571 571		81.0 800 730 781 771 781 771 781 7721 721 721 721 721 721 721 721 721 7	196 1726 1736 1736 1736 1736 1736 1736 1736	82/ 1.6 -		
E30	WIRE TO WIRE	TH80MW-CS16-TM4	WHITE	56         46         20         16           100         96         96         76         66           210         200         146         100         100           210         200         146         146         146           210         200         146         146         146           210         200         200         146         146	4164063980380376386356346380326346330 9004806486456486456344264363426 616680518063866576566461330520510	700.6990.680.6670.6666.6650.640.630.620 84.0.800.750.750.666.6650.640.630.620	900 890 880 876 866 856 840 836 826	95G 94G 93G 92G 91G 100C 99G 98G 97G 96G	of Signal Name	-		E205	WIRE TO WIRE	TK04FY	YELLOW		of Signal Name	-	-
Connector No.	Connector Name	Connector Type	Connector Color	S:H					Terminal Color of No. Wire		20G W 21G SHIELD	Connector No.	Connector Name	Connector Type	Connector Color	तित् H.S.	Terminal Color of No. Wire	2 B	3 SHIELD
Connector No. M185	e	TK04FW-J		H.S.	nal Color of Signa	2 SHIELD - 3 GR - 4 SHIELD -	Connector No. E13	Connector Name         WIRE TO WIRE           Connector Type         TK04MY-BD           Connector Color         YELLOW		H.S.	1 2 3 4		al	. Wire	2 B	M			

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< WIRING DIAGRAM >

Connector No. B9 Connector Name AIR   Connector Tune NH2		1	H.S.		Terminal Color of No.	_		+	55 W		57 -	1 1			62 B	+	64 65 G					- 12		Connector No. B11			ector Color	선권	H.S.		Terminal Color of	Vo. Wire	1 ۲	
B9 AIR BAG DIAGNOSIS SENSOR UNIT NH225V_2VLEX			51 52 53 54 55 56	65 66 67 68 69 70	Signal Name	P-LH2(+)	P-LH2(-)	SLH(+)	ount-) C-LH1-	C-LH1+	1		Т	LH C-PILLAR SATELLITE SENSOR +	LH C-PILLAR SATELLITE SENSOR -	Т	- P-LH1+	P-LH1-	LH SEAT BELT BUCKLE SWITCH+	LH B-PILLAR SATELLITE SENSOR -	LH B-PILLAH SAI ELLI E SENSOH + GND		-		SIDE AIR BAG MODULE LH	I K02FY-EX-1V	YELLOW			1 2	Signal Name		1	
Connector No. B12		Connector Type NS12FW-CS Connector Color WHITE		H.S. 12/11/10/9/8/7/6		Terminal Color of	Wire	10 LG	-	Connector No. B14	e			Connector Color YELLOW			H.S.	2 1			Color of	No. Wire Signal Name												
Connector No. Connector Name	Connector Type	Connector Color	EE EE	ò	Terminal Color o	No. Wire		2 8	Connector No	Connector Name	Connector Type	Connector Color	ł	(ded)	H.S.					Terminal Color of	NO. WIE	- ~	-											
B13 REAR SIDE AIR BAG SATELLITE SENSOR LH	НК02FY-1V-EX	YELLOW				Signal Name	-	-	R71	LH SIDE CUBTAIN AIB BAG MODULE	ACB02FY	YELLOW								f Signal Name														

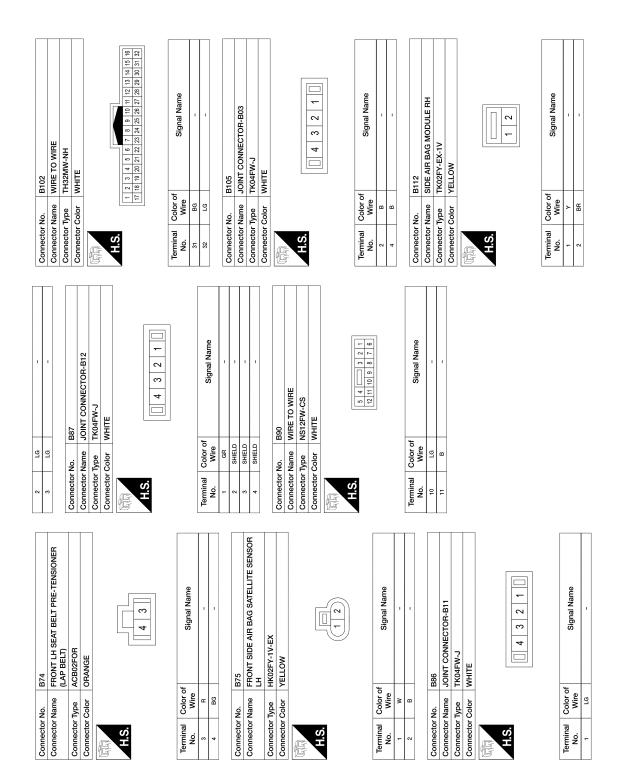
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Revision: October 2015

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### SRS AIR BAG SYSTEM

### < WIRING DIAGRAM >



AAHIA0531GB

	Connector Color YELLOW Connector Name	Connector Type	Sig			B C-RH+ Z		L ODS INPUT Y BH SEAT BLICKLE SWITCH -	RH C-PILLAR SATELLITE SENSOR+	W RH C-PILLAR SATELLITE SENSOR. Connector Color			0	RH B-PILLAR S	W RH B-PILLAR SATELLITE SENSOR-	G P-RH1+ Terminal	P-BH1-	B115	Connector Name FRUNI RH SEAI BELI PRE-IENSIONER 13 (SHOULDER BELT)				Color of Signal Name Wire	,       
۹.				I Color of Signal Name Wire	п	- M				or Color WHITE		7654 321	15 14 13 12 11 10 9	> 2		Color of	Wire Signal Name	 		1	1			S
Connector No. Connector Name	Connector lype Connector Color	H.S.	- Cc	5 4 7 8	Connector No.	Connector Name	Connector Type	Connector Color			H.G.				Terminal Color of	- I	2 W					_		
b12/ FRONT RH SEAT BELT PRE-TENSIONER (LAP BELT)	ACEUZEOR	4	f Signal Name	1 1	B128	FRONT SIDE AIR BAG SATELLITE SENSOR	HK02FY-1V-EX	YELLOW				12)			f Signal Name		-							

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< WIRING DIAGRAM >

< WIRING DIAGRAM >		
B21 WIRE TO WIRE NS12MW-CS WHITE	of Signal Name Signal Name	of         Signal Name           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -           -         -

Connector No.

Connector Name Connector Type Connector Color

Signal Name

Terminal Color of No. Wire

B221	WIRE TO WIRE	NS12MW-CS	WHITE	6 7 8 9 1
Connector No.	Connector Name	Connector Type	Connector Color	际间 H.S.

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H				0	No. Wire	10 -	11 B
B201	WIRE TO WIRE	NS12MW-CS	WHITE			1 2 3 4 5	6 7 8 9 10 11 12
Connector No.	Connector Name	Connector Type	Connector Color WHITE		S H		

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e	œ	
2	2	
-	9	

	1	Т	1	8203	SEAT BELT BUCKLE SWITCH LH	TH04FW-NH	WHITE		
	-	8	-						
10 L 11 B Connector No. Connector Name Connector Type Connector Color	10	Ħ	10	Connector	Connector	Connector	Connector	E	

H.S.

Color of Wire BR/W W L L B

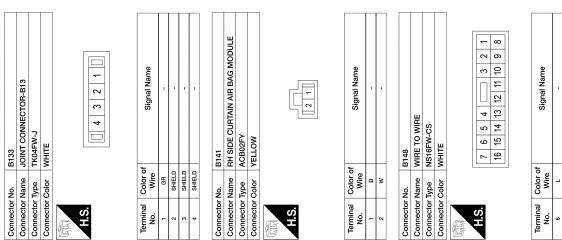
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Terminal No.

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Signal Name	I	1
Color of Wire	Ч	8
Terminal No.	-	2

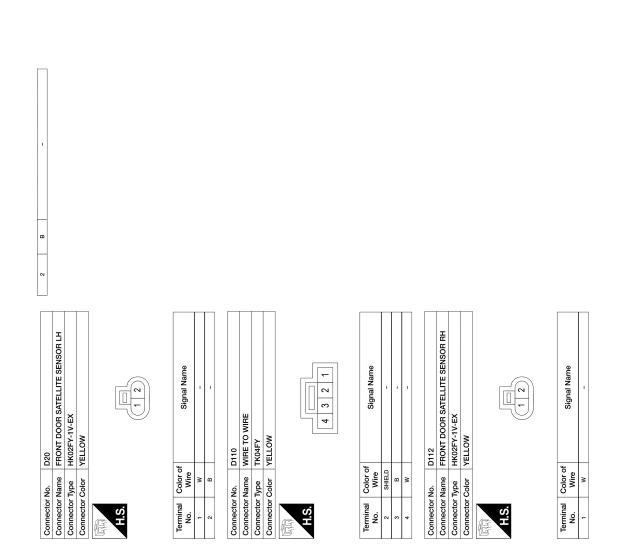


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Revision: October 2015

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2016 Maxima NAM



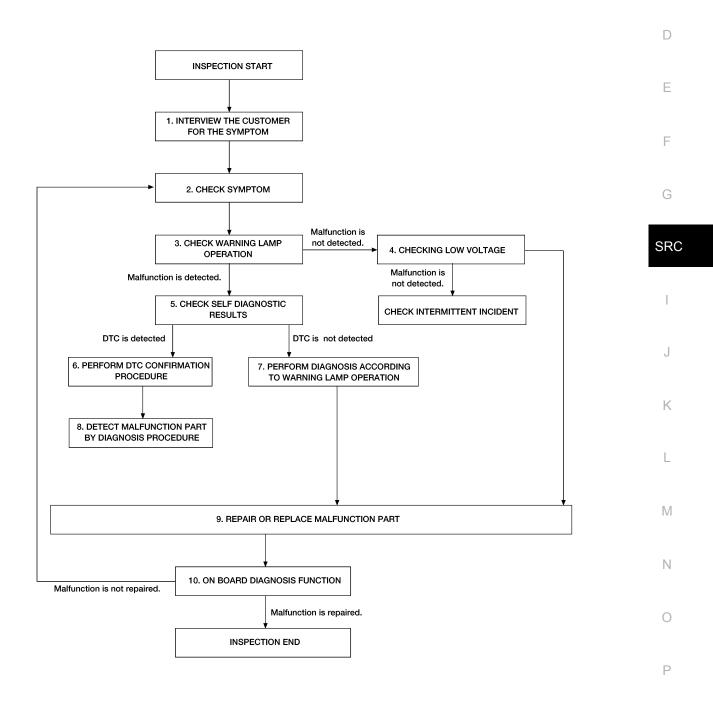
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< BASIC INSPECTION >

### BASIC INSPECTION DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

**OVERALL SEQUENCE** 



AWHIA0555GB

DETAILED FLOW

Revision: October 2015

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### **DIAGNOSIS AND REPAIR WORK FLOW**

< BASIC INSPECTION >

### **1**.INTERVIEW THE CUSTOMER FOR THE SYMPTOM

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

>> GO TO 2.

### 2.CHECK SYMPTOM

Check the symptom from the customer information.

>> GO TO 3.

3. CHECK WARNING LAMP OPERATION

Check air bag warning lamp operation in the user mode.

Are any malfunctions detected?

YES >> GO TO 5.

NO >> GO TO 4.

**4.**CHECK LOW VOLTAGE

Check low voltage with CONSULT.

Are any malfunctions detected?

YES >> GO TO 9.

NO >> Check intermittent incident. Refer to <u>GI-41, "Intermittent Incident"</u>.

**5.**CHECK SELF DIAGNOSTIC RESULT

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

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

Perform the following procedure if DTC is detected:

- Record DTC. (Print them out with CONSULT.)
- Erase "Self Diagnostic Result".
- Study the relationship between the malfunction that DTC or air bag warning lamp indicates and the symptom that the customer describes.
- Check related service bulletins for information.

### Is DTC detected?

YES >> GO TO 6.

NO >> GO TO 7.

**6.**PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the DTC.

### >> GO TO 8.

7.PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION

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

### >> GO TO 9.

### **8**. DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the DTC.

### >> GO TO 9.

9.REPAIR OR REPLACE THE MALFUNCTION PART

Repair or replace the malfunctioning part.

### DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >	
>> GO TO 10.	
10.0N BOARD DIAGNOSIS FUNCTION	А
Check "Self Diagnostic Result" and air bag warning lamp operation in th	e user mode.
Is the malfunction repaired?	В
YES >> Inspection End. NO >> GO TO 2.	
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< BASIC INSPECTION >

### INSPECTION AND ADJUSTMENT ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Description

INEOID:000000012159657

#### 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.

#### OCS CONTROL UNIT

#### WARNING:

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

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Special Repair Requirement INFOID:000000012159658

WORK PROCEDURE WHEN REPLACING AIR BAG DIAGNOSIS SENSOR UNIT

**1.**SAVING VEHICLE SPECIFICATION

#### **(P)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-27, "Removal and Installation".

>> GO TO 3.

3.writing vehicle specification

(P)CONSULT Configuration

Perform "After Replace ECU" of "Read / Write Configuration" or "Manual Configuration" to write vehicle specification. Refer to SRC-39, "CONFIGURATION : Work Procedure".

>> Work End.

< BASIC INSPECTION >	
WORK PROCEDURE WHEN REPLACING OCS CONTROL UNIT	
1. PERFORM ZERO POINT RESET	7
Perform zero point reset. Refer to SRC-39. "ZERO POINT RESET : Special Repair Requirement".	
>> Inspection End. ZERO POINT RESET	3
ZERO POINT RESET : Description	2
Zero point reset is an initializing procedure for the OCS (weight) sensors that must be performed using CON- SULT when removing and installing passenger seat or servicing the OCS system, including removing or installing OCS control unit and sensors. If zero point reset is not performed, the initialization is incomplete and OCS may not operate normally.	
<ul> <li>When reinstalling the passenger seat, the initial value for the OCS sensors may change, and the OCS may not operate normally.</li> </ul>	-
• When zero point reset is performed after removal and installation of passenger seat, CONSULT displays "complete".	-
ZERO POINT RESET : Special Repair Requirement	
G. PERFORM ZERO POINT RESET	3
<ul> <li>CONSULT</li> <li>Perform preliminary checks.</li> <li>NOTE: <ul> <li>Level the vehicle.</li> <li>Minimize vibrations near the vehicle.</li> <li>Remove any objects on passenger seat.</li> <li>Do not touch the vehicle during zero point reset.</li> </ul> </li> <li>Select "Start" on "Zero point reset function" from "Work support" of "OCCUPANT DETECTION".</li> <li>"Zero point reset function" starts.</li> </ul>	RC
>> GO TO 2. 2.CONFIRM RESET	<
<ol> <li>Check that "Complete" is displayed on "Zero point reset status".</li> <li>CAUTION:</li> <li>"Complete" may be displayed if the seat has been reinstalled or "zero point reset" has already been performed.</li> <li>"Incomplete" may be displayed if a new seat is installed.</li> </ol>	- Л
CONFIGURATION CONFIGURATION : Work Procedure	)
1.WRITING MODE SELECTION	
CONSULT Configuration Select "Re/programming, Configuration" of air bag.  When writing saved data>>GO TO 2. When writing manually>>GO TO 3.	C

**INSPECTION AND ADJUSTMENT** 

When writing manually>>GO TO 3.

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

### **INSPECTION AND ADJUSTMENT**

< BASIC INSPECTION >

#### CONSULT Configuration

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

>> GO TO 4.

**3.**PERFORM "MANUAL CONFIGURATION"

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".

>> GO TO 4.

**4.**CHECK ALL ECU SELF DIAGNOSTIC RESULTS

- 1. Erase all ECU "Self Diagnostic Result" using CONSULT.
- 2. Turn the ignition switch OFF.
- 3. Turn the ignition switch ON.
- 4. Check that all ECU "Self Diagnostic Result" have no DTC.

>> Work End.

### INTERMITTENT INCIDENT

INSPECTION Procedure INFOLD:000001215962
INTERMITTENT TROUBLE
An intermittent incident may have occurred in the past but is not being detected currently. This DTC will not be detected on "Self Diagnostic Result [CURRENT]" but may be viewed on "Self Diagnostic Result [PAST]" if the DTC has not been erased.
Trouble Diagnosis with CONSULT INFOLD:000001215963
CHECK SRS REPAIR HISTORY

Refer to <u>SRC-16, "SRS History Check"</u>.

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# **DTC/CIRCUIT DIAGNOSIS U1000 CAN COMM CIRCUIT**

### Description

INFOID:000000012159664

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

### DTC Logic

INFOID:000000012159665

### DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition	
		Diagnosis condition	When ignition switch is ON.
U1000-01	CAN COMM CIRCUIT	Signal (terminal)	—
01000-01		Threshold	_
		Diagnosis delay time	_

### POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

#### DTC CONFIRMATION PROCEDURE

**1.**PERFORM SELF DIAGNOSTIC RESULT

#### CONSULT

Turn ignition switch ON and wait for 7 seconds or more. 1.

- 2. Select "Self Diagnostic Result" mode of "AIR BAG".
- 3. Check DTC.

#### Is DTC detected?

- YES
- >> Refer to <u>SRC-42</u>, "Diagnosis Procedure".
  >> Refer to <u>GI-41</u>, "Intermittent Incident". NO

### **Diagnosis** Procedure

INFOID:000000012159666

1.CHECK CAN COMMUNICATION SYSTEM

Check CAN communication system. Refer to LAN-17, "Trouble Diagnosis Flow Chart".

>> Inspection End.

#### < DTC/CIRCUIT DIAGNOSIS >

# U1010 CONTROL UNIT (CAN)

### Description

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

### DTC Logic

INFOID:000000012159668

INFOID:000000012159667

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### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting co	ndition
		Diagnosis condition	When ignition switch is ON.
U1010	Signal (terminal)	-	
01010	CONTROL UNIT (CAN)	Threshold	-
		Diagnosis delay time	-
POSSIBLE	CAUSE		
Air bag diag	nosis sensor unit		
FAIL-SAFE			
—			
4	IRMATION PROCEDURE		
1.PERFOF	RM SELF DIAGNOSTIC RESULT		
	nition switch ON. Self Diagnostic Result" mode of "A	AIR BAG".	
3. Check I			
Is DTC dete			
	Refer to <u>SRC-43, "Diagnosis Proc</u> Inspection End.	<u>cedure"</u> .	
	s Procedure		
			INFOID:000000012159669
<b>1</b> .REPLAC	E AIR BAG DIAGNOSIS SENSOF	RUNIT	
Replace air	bag diagnosis sensor unit. Refer t	o SR-30, "Removal and Installation".	
>>	Inspection End.		

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#### < DTC/CIRCUIT DIAGNOSIS >

### B0001 DRIVER AIRBAG MODULE

### **DTC** Description

INFOID:000000012159670

### DTC DETECTION LOGIC

DTC	CONSULT name		DTC d	etecting condition
	DRIVER AIRBAG MODULE		Diagnosis condition	When ignition switch is ON.
		13	Signal (terminal)	Driver air bag module circuit (DR1) (terminal 29 and 30)
	[OPEN]		Threshold	—
			Diagnosis delay time	—
			Diagnosis condition	When ignition switch is ON.
	DRIVER AIRBAG MODULE [VB-SHORT]	12	Signal (terminal)	Driver air bag module circuit (DR1) (terminal 29 and 30)
			Threshold	_
B0001			Diagnosis delay time	—
D000 I			Diagnosis condition	When ignition switch is ON.
	DRIVER AIRBAG MODULE [GND-SHORT]	11	Signal (terminal)	Driver air bag module circuit (DR1) (terminal 29 and 30)
			Threshold	
			Diagnosis delay time	
			Diagnosis condition	When ignition switch is ON.
		00	Signal (terminal)	Driver air bag module circuit (DR1) (terminal 29 and 30)
	[SHORT]		Threshold	
			Diagnosis delay time	—

#### POSSIBLE CAUSE

[OPEN]

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

#### [VB-SHORT]

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

#### [GND-SHORT]

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

#### [SHORT]

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

#### FAIL-SAFE

### **B0001 DRIVER AIRBAG MODULE**

< DTC/CIRCUIT DIAGNOSIS >	
DTC CONFIRMATION PROCEDURE (With CONSULT)	
1.CHECK SELF DIAGNOSTIC RESULT	А
<ul> <li>CONSULT</li> <li>Turn ignition switch ON.</li> <li>Select "Self Diagnostic Result" mode of "AIR BAG"</li> <li>Check DTC.</li> </ul>	В
<u>Is the DTC detected?</u> YES (Current DTC)>>Refer to <u>SRC-45, "Diagnosis Procedure"</u> . YES (Past DTC)>>GO TO 2. NO >> Inspection End.	С
2. ERASE SELF DIAGNOSTIC RESULT	D
CONSULT     Erase the DTC. <u>Can the DTC be erased?</u>	E
YES >> Inspection End. NO >> Refer to <u>SRC-45, "Diagnosis Procedure"</u> . DTC CONFIRMATION PROCEDURE (Without CONSULT)	F
1. CHECK SELF DIAGNOSTIC RESULT	G
<ol> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.</li> <li>NOTE:</li> <li>SRS will not enter diagnosis mode if no malfunction is detected in user mode.</li> </ol>	SRO
<u>Is the DTC detected?</u> YES >> Refer to <u>SRC-45, "Diagnosis Procedure"</u> . NO >> Inspection End.	
Diagnosis Procedure INFOID:000000012159671	J
<ul> <li>Visually inspect all applicable harness connectors for the following:</li> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>Poor connection</li> </ul>	K
<b>NOTE:</b> All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).	L
<u>Is the inspection result normal?</u> YES >> GO TO 2.	M
<ul> <li>NO &gt;&gt; Perform one of the following repairs:</li> <li>Visible damage: Replace the harness.</li> <li>Loose terminal: Secure the terminal.</li> <li>Poor connection: Secure the connection.</li> </ul>	Ν
2.CONFIRM DTC	0
<ul> <li>CONSULT</li> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	Ρ
<u>Is DTC still current?</u> YES >> GO TO 3. NO >> Refer to <u>GI-41, "Intermittent Incident"</u> . <b>3.</b> WIRING HARNESS	

Check the wiring harness for visible damage.

### **B0001 DRIVER AIRBAG MODULE**

< DTC/CIRCUIT DIAGNOSIS >

#### 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	Continuity
M89	23	M29	4	Yes
1009	24	10129	6	165

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

Driver air l	bag module		Continuity
Connector	Terminal	Ground	Continuity
M89	23	Ground	No
14109	24	1	INU

#### Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace the spiral cable. Refer to <u>SR-16, "Removal and Installation"</u>.

### 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 <u>GI-41, "Intermittent Incident"</u>.

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

#### CONSULT

- 1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

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

#### 7.DRIVER AIR BAG MODULE

#### CONSULT

- 1. Replace the driver air bag module. Refer to <u>SR-12, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

- YES >> GO TO 8.
- NO >> Clear DTC. Inspection End.

#### **8**.RELATED HARNESS

Replace the related harness.

### **B0001 DRIVER AIRBAG MODULE**

#### < DTC/CIRCUIT DIAGNOSIS >

>> Inspection End.	
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### **B0010, B0011 PASSENGER AIRBAG MODULE**

< DTC/CIRCUIT DIAGNOSIS >

# B0010, B0011 PASSENGER AIRBAG MODULE

### **DTC Description**

INFOID:000000012159672

### DTC DETECTION LOGIC

DTC	CONSULT name		DTC det	ecting condition
			Diagnosis condition	When ignition switch is ON
	ASSIST AIRBAG MODULE [OPEN]	13	Signal (terminal)	Front passenger air bag module cir- cuit (AS1) (terminal 25 and 26)
			Threshold	-
			Diagnosis delay time	-
			Diagnosis condition	When ignition switch is ON
	ASSIST AIRBAG MODULE [VB-SHORT]	12	Signal (terminal)	Front passenger air bag module cir- cuit (AS1) (terminal 25 and 26)
			Threshold	-
B0010			Diagnosis delay time	-
BUUIU			Diagnosis condition	When ignition switch is ON
	ASSIST AIRBAG MODULE	11	Signal (terminal)	Front passenger air bag module cir- cuit (AS1) (terminal 25 and 26)
	[GND-SHORT]		Threshold	-
			Diagnosis delay time	-
			Diagnosis condition	When ignition switch is ON
	ASSIST AIRBAG MODULE [SHORT]	09	Signal (terminal)	Front passenger air bag module cir- cuit (AS1) (terminal 25 and 26)
			Threshold	-
			Diagnosis delay time	-
	ASSIST AIRBAG MODULE 2ND [OPEN]		Diagnosis condition	When ignition switch is ON
		13	Signal (terminal)	Front passenger air bag module cir- cuit (AS2) (terminal 23 and 24)
			Threshold	-
			Diagnosis delay time	—
			Diagnosis condition	When ignition switch is ON
	ASSIST AIRBAG MODULE 2ND	12	Signal (terminal)	Front passenger air bag module cir- cuit (AS2) (terminal 23 and 24)
	[VB-SHORT]		Threshold	-
B0011			Diagnosis delay time	—
DUUII			Diagnosis condition	When ignition switch is ON
	ASSIST AIRBAG MODULE 2ND	11	Signal (terminal)	Front passenger air bag module cir- cuit (AS2) (terminal 23 and 24)
	[GND-SHORT]		Threshold	—
			Diagnosis delay time	—
			Diagnosis condition	When ignition switch is ON
	ASSIST AIRBAG MODULE 2ND	09	Signal (terminal)	Front passenger air bag module cir- cuit (AS2) (terminal 23 and 24)
	[SHORT]		Threshold	—
			Diagnosis delay time	—

#### POSSIBLE CAUSE

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

< DTC/CIRCUIT DIAGNOSIS >		
<ul> <li>[OPEN]</li> <li>Connection malfunction or open circuit of harness and connector</li> <li>Internal malfunction of passenger air bag module</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>		А
		В
<ul> <li>[VB-SHORT]</li> <li>Connection malfunction or short circuit to power supply of harness and connector</li> <li>Internal malfunction of passenger air bag module</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>		С
<ul> <li>[GND-SHORT]</li> <li>Connection malfunction or short circuit to ground of harness and connector</li> <li>Internal malfunction of passenger air bag module</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>		D
<ul> <li>[SHORT]</li> <li>Connection malfunction or short circuit of harness and connector</li> <li>Internal malfunction of passenger air bag module</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>		E F
FAIL-SAFE		
		G
DTC CONFIRMATION PROCEDURE (With CONSULT) 1.CHECK SELF DIAGNOSTIC RESULT		
		SRC
<ul> <li>CONSULT</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	_	
Is the DTC detected?		
YES (Current DTC)>> Refer to <u>SRC-49, "Diagnosis Procedure"</u> . YES (Past DTC)>> GO TO 2. NO >> Inspection End.		J
2. ERASE SELF DIAGNOSTIC RESULT		
CONSULT     Erase DTC. <u>Can the DTC be erased?</u>		K
YES >> Inspection End. NO >> Refer to <u>SRC-49, "Diagnosis Procedure"</u> .		L
DTC CONFIRMATION PROCEDURE (Without CONSULT)		M
1.CHECK SELF DIAGNOSTIC RESULT		
<ol> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.</li> <li>NOTE:</li> </ol>		Ν
SRS will not enter diagnosis mode if no malfunction is detected in user mode.		0
Is the DTC detected?         YES       >> Refer to SRC-49, "Diagnosis Procedure".         NO       >> Inspection End.		
Diagnosis Procedure	INFOID:000000012159673	Ρ
1.HARNESS CONNECTOR		
Visually inspect all applicable harness connectors for the following:		

Visible damage to connector or terminal

Loose terminal

Poor connection

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

< DTC/CIRCUIT DIAGNOSIS >

#### NOTE:

NO

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.
  - >> 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-41, "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-41, "Intermittent Incident".

#### **5.**FRONT PASSENGER AIR BAG MODULE

#### 

- 1. Replace the front passenger air bag module. Refer to <u>SR-19, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

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

 ${f 6}.$ AIR BAG DIAGNOSIS SENSOR UNIT

#### CONSULT

- 1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

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

7.RELATED HARNESS

Replace the related harness.

>> Inspection End.

#### < DTC/CIRCUIT DIAGNOSIS >

# B0020 SIDE AIRBAG MODULE LH

### **DTC** Description

INFOID:000000012159674

А

В

#### DTC DETECTION LOGIC

DTC CONSULT name			DTC detecting condition				
			Diagnosis condition	When ignition switch is ON			
	SIDE AIRBAG MODULE LH	13	Signal (terminal)	Side air bag module LH circuit (terminal 53 and 54)			
	[OPEN]		Threshold	_			
			Diagnosis delay time				
			Diagnosis condition	When ignition switch is ON			
	SIDE AIRBAG MODULE LH	12	Signal (terminal)	Side air bag module LH circuit (terminal 53 and 54)			
	[VB-SHORT]		Threshold				
			Diagnosis delay time				
B0020			Diagnosis condition	When ignition switch is ON			
	SIDE AIRBAG MODULE LH	11	Signal (terminal)	Side air bag module LH circuit (terminal 53 and 54)			
	[GND-SHORT]		Threshold				
			Diagnosis delay time				
			Diagnosis condition	When ignition switch is ON			
		[SHORT] 00	Signal (terminal)	Side air bag module LH circuit (terminal 53 and 54)			
	נסחטאון		Threshold				
			Diagnosis delay time	_			

#### POSSIBLE CAUSE

[OPEN]

Connection malfunction or open circuit of harness and connector	K
Internal malfunction of side air bag module LH	
Internal malfunction of air bag diagnosis sensor unit	
[VB-SHORT]	
<ul> <li>Connection malfunction or short circuit to power supply of harness and connector</li> <li>Internal malfunction of side air bag module LH</li> </ul>	
<ul> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	
[GND-SHORT]	M
Connection malfunction or short circuit to ground of harness and connector	
Internal malfunction of side air bag module LH	
<ul> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	Ν
[SHORT]	
Connection malfunction or short circuit of harness and connector	
Internal malfunction of side air bag module LH	0
<ul> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	
FAIL-SAFE	
—	Р
DTC CONFIRMATION PROCEDURE (With CONSULT)	
1. CHECK SELF DIAGNOSTIC RESULT	
(E) CONSULT	
1 Turn ignition switch ON	

- 1. Turn ignition switch ON.
- 2. Check DTC.
- Is the DTC detected?

### **B0020 SIDE AIRBAG MODULE LH**

< DTC/CIRCUIT DIAGNOSIS >

YES (Current DTC)>> Refer to <u>SRC-52. "Diagnosis Procedure"</u>. YES (Past DTC)>> GO TO 2. NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

#### 

Erase DTC.

#### Can the DTC be erased?

- YES >> Inspection End.
- NO >> Refer to <u>SRC-52, "Diagnosis Procedure"</u>.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

### 1. CHECK SELF DIAGNOSTIC RESULT

#### 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.

#### NOTE:

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

#### Is the DTC detected?

- YES >> Refer to <u>SRC-52</u>, "Diagnosis Procedure".
- NO >> Inspection End.

### Diagnosis Procedure

### **1.**HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

#### NOTE:

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

#### Is the inspection result normal?

#### YES >> GO TO 2.

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

### 2. CONFIRM DTC

#### CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

YES >> GO TO 3.

NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

### **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

INFOID:000000012159675

### **B0020 SIDE AIRBAG MODULE LH**

< DTC/CIRCUIT DIAGNOSIS >	
<ul> <li>CONSULT</li> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	A
Is DTC still current?	В
YES >> GO TO 5. NO >> Refer to <u>GI-41, "Intermittent Incident"</u> . <b>5.</b> AIR BAG DIAGNOSIS SENSOR UNIT	С
<ul> <li>CONSULT</li> <li>Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	D
<u>Is DTC still current?</u> YES >> GO TO 6.	E
NO >> Clear DTC. Inspection End. 6.SIDE AIR BAG MODULE LH	F
<ol> <li>CONSULT</li> <li>Replace the side air bag module LH. Refer to <u>SR-24, "Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ol>	G
Is DTC still current?         YES       >> GO TO 7.         NO       >> Clear DTC. Inspection End.	SRC
7.RELATED HARNESS	
Replace the related harness.	
>> Inspection End.	

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#### < DTC/CIRCUIT DIAGNOSIS >

### B0028 SIDE AIRBAG MODULE RH

### **DTC** Description

INFOID:000000012159676

#### DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
			Diagnosis condition	When ignition switch is ON
	SIDE AIRBAG MODULE RH	13	Signal (terminal)	Side air bag module RH circuit (termi- nals 3 and 4)
	[OPEN]		Threshold	—
			Diagnosis delay time	-
			Diagnosis condition	When ignition switch is ON
	SIDE AIRBAG MODULE RH [VB-SHORT]	12	Signal (terminal)	Side air bag module RH circuit (termi- nals 3 and 4)
			Threshold	
Dagaa			Diagnosis delay time	
B0028		11	Diagnosis condition	When ignition switch is ON
	SIDE AIRBAG MODULE RH		Signal (terminal)	Side air bag module RH circuit (termi- nals 3 and 4)
	[GND-SHORT]		Threshold	—
SIDE AIRBAG MODULE RH		Diagnosis delay time	-	
		09	Diagnosis condition	When ignition switch is ON
	SIDE AIRBAG MODULE RH [SHORT]		Signal (terminal)	Side air bag module RH circuit (termi- nals 3 and 4)
			Threshold	—
			Diagnosis delay time	—

#### POSSIBLE CAUSE

[OPEN]

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

#### [VB-SHORT]

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

#### [GND-SHORT]

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

#### [SHORT]

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

#### FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

### **B0028 SIDE AIRBAG MODULE RH**

< DTC/CIRCUIT DIAGNOSIS >	
1.CHECK SELF DIAGNOSTIC RESULT	А
<ul> <li>CONSULT</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	
Is the DTC detected?	В
YES (Current DTC)>> Refer to <u>SRC-55. "Diagnosis Procedure"</u> . YES (Past DTC)>> GO TO 2. NO >> Inspection End.	С
2.ERASE SELF DIAGNOSTIC RESULT	
CONSULT Erase DTC.	D
Can the DTC be erased?         YES       >> Inspection End.         NO       >> Refer to SRC-55, "Diagnosis Procedure".	Ε
DTC CONFIRMATION PROCEDURE (Without CONSULT) 1.CHECK SELF DIAGNOSTIC RESULT	F
<ol> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.</li> <li>NOTE:</li> </ol>	G
SRS will not enter diagnosis mode if no malfunction is detected in user mode. <u>Is the DTC detected?</u> YES >> Refer to <u>SRC-55, "Diagnosis Procedure"</u> .	SR
NO >> Inspection End. Diagnosis Procedure	
1. HARNESS CONNECTOR	
Visually inspect all applicable harness connectors for the following:	J
<ul> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>Poor connection</li> </ul>	K
<b>NOTE:</b> All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).	L
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.	Μ
Poor connection: Secure the connection.	Ν
<ol> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check for DTC using CONSULT.</li> </ol>	0
<u>Is DTC still current?</u> YES >> GO TO 3. NO >> Refer to <u>GI-41, "Intermittent Incident"</u> . <b>3.</b> WIRING HARNESS	Ρ

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).

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

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

### **4.**CONFIRM DTC

#### CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

YES >> GO TO 5.

NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

5. AIR BAG DIAGNOSIS SENSOR UNIT

#### () CONSULT

- 1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

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

**6.**SIDE AIR BAG MODULE RH

#### CONSULT

- 1. Replace the side air bag module RH.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

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

7.RELATED HARNESS

Replace the related harness.

>> Inspection End.

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

#### < DTC/CIRCUIT DIAGNOSIS >

# B0021 SIDE CURTAIN AIR BAG MODULE LH

### **DTC Description**

INFOID:000000012159678

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#### DTC DETECTION LOGIC

DTC	CONSULT name		DTC det	ecting condition
			Diagnosis condition	When ignition switch is ON
	CURTAIN AIRBAG MODULE LH CIR- CUIT	13	Signal (terminal)	LH side curtain air bag module cir- cuit (terminal 55 and 56)
	[OPEN]		Threshold	
			Diagnosis delay time	
			Diagnosis condition	When ignition switch is ON
C	CURTAIN AIRBAG MODULE LH CIR- CUIT	12	Signal (terminal)	LH side curtain air bag module cir- cuit (terminal 55 and 56)
	[VB-SHORT]		Threshold	
B0021			Diagnosis delay time	
DUU2 I	CURTAIN AIRBAG MODULE LH CIR- CUIT [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	LH side curtain air bag module cir- cuit (terminal 55 and 56)
			Threshold	
			Diagnosis delay time	
		09	Diagnosis condition	When ignition switch is ON
	CURTAIN AIRBAG MODULE LH CIR- CUIT [SHORT]		Signal (terminal)	LH side curtain air bag module cir- cuit (terminal 55 and 56)
			Threshold	-
			Diagnosis delay time	_

#### POSSIBLE CAUSE

[OPEN]

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

#### [VB-SHORT]

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

#### [GND-SHORT]

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

#### [SHORT]

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

#### FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

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

< DTC/CIRCUIT DIAGNOSIS >

### 1. CHECK SELF DIAGNOSTIC RESULT

#### CONSULT

- 1. Turn ignition switch ON.
- 2. Check DTC.

#### Is the DTC detected?

YES (Current DTC)>> Refer to <u>SRC-58, "Diagnosis Procedure"</u>.

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

**2.** ERASE SELF DIAGNOSTIC RESULT

### 

Erase DTC.

#### Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-58, "Diagnosis Procedure"</u>.

#### DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to SRC-15. "SRS Operation Check".

#### NOTE:

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

#### Is the DTC detected?

YES >> Refer to <u>SRC-58, "Diagnosis Procedure"</u>.

NO >> Inspection End.

### Diagnosis Procedure

INFOID:000000012159679

### **1**.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

#### NOTE:

NO

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.

- >> Perform one of the following repairs:
  - Visible damage: Replace the harness.
  - · Loose terminal: Secure the terminal.
  - Poor connection: Secure the connection.

### 2. CONFIRM DTC

#### CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

YES >> GO TO 3.

NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

```
3.WIRING HARNESS
```

Check the wiring harness for visible damage. **NOTE:** 

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

#### < DTC/CIRCUIT DIAGNOSIS >

The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end compone (including any in-line connectors).	ent A
Is the inspection result normal?	
YES >> GO TO 4.	
NO >> Replace the harness.	В
4.CONFIRM DTC	
	С
<ol> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> </ol>	
3. Check DTC.	
Is DTC still current?	D
YES >> GO TO 5.	
NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	E
5.AIR BAG DIAGNOSIS SENSOR UNIT	
	_
<ol> <li>Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> </ol>	F
3. Check DTC.	
Is DTC still current?	G
YES >> GO TO 6.	
NO >> Clear DTC. Inspection End.	0.5
6.SIDE CURTAIN AIR BAG MODULE LH	SRO
<ul> <li>CONSULT</li> <li>Replace the side curtain air bag module LH. Refer to SR-24, "Removal and Installation".</li> </ul>	
<ol> <li>Replace the side curtain air bag module LH. Refer to <u>SR-24, "Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> </ol>	I
3. Check DTC.	
Is DTC still current?	1
YES >> GO TO 7. NO >> Clear DTC. Inspection End.	J
<b>7.</b> RELATED HARNESS	
	K
Replace the related harness.	
>> Inspection End.	I
	L
	M
	N. I.
	Ν
	С

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### **B0029 SIDE CURTAIN AIR BAG MODULE RH**

#### < DTC/CIRCUIT DIAGNOSIS >

### B0029 SIDE CURTAIN AIR BAG MODULE RH

### **DTC** Description

INFOID:000000012159680

#### DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition			
			Diagnosis condition	When the ignition switch is ON	
CURTAIN AIRBAG MODULE B0029 RH	13	Signal (terminal)	RH side curtain air bag module circuit (terminal 5 and 6)		
	[OPEN]		Threshold	-	
			Diagnosis delay time	-	
			Diagnosis condition	When the ignition switch is ON	
CURTAIN AIRBAG MODULE B0029 RH [VB-SHORT]	12	Signal (terminal)	RH side curtain air bag module circuit (terminal 5 and 6)		
	[VB-SHORT]		Threshold	_	
			Diagnosis delay time	-	
		11	Diagnosis condition	When the ignition switch is ON	
CURTAIN AIRBAG MODULE B0029 RH	RH		Signal (terminal)	RH side curtain air bag module circuit (terminal 5 and 6)	
	[GND-SHORT]		Threshold	_	
			Diagnosis delay time	-	
CURTAIN AIRBAG MODULE B0029 RH		Diagnosis condition	When the ignition switch is ON		
	RH	09	Signal (terminal)	RH side curtain air bag module circuit (terminal 5 and 6)	
	[SHORT]		Threshold	-	
			Diagnosis delay time	-	

### POSSIBLE CAUSE

[OPEN]

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

#### [VB-SHORT]

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

#### [GND-SHORT]

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

#### [SHORT]

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

### DTC CONFIRMATION PROCEDURE (With CONSULT)

#### . . . . . . . . . . . .

<pre>B0029 SIDE CURTAIN AIR BAG MODULE RH &lt; DTC/CIRCUIT DIAGNOSIS &gt;</pre>	
1. CHECK SELF DIAGNOSTIC RESULT	٨
<ul> <li>CONSULT</li> <li>Turn ignition switch ON.</li> <li>Check for DTC using CONSULT.</li> </ul>	В
Is the DTC detected?	D
YES (Current DTC)>> Refer to <u>SRC-61, "Diagnosis Procedure"</u> . YES (Past DTC)>> GO TO 2. NO >> Inspection End.	С
2. ERASE SELF DIAGNOSTIC RESULT	
CONSULT Erase DTC.	D
Can the DTC be erased?	E
YES >> Inspection End. NO >> Refer to <u>SRC-61, "Diagnosis Procedure"</u> .	
DTC CONFIRMATION PROCEDURE (Without CONSULT)	F
1.CHECK SELF DIAGNOSTIC RESULT	1
<ol> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.</li> <li>NOTE:</li> </ol>	G
SRS will not enter diagnosis mode if no malfunction is detected in user mode.	<u>ер</u> (
<u>Is the DTC detected?</u> YES >> Refer to <u>SRC-61, "Diagnosis Procedure"</u> .	SRC
NO >> Inspection End.	
Diagnosis Procedure	
1.HARNESS CONNECTOR	1
Visually inspect all applicable harness connectors for the following: <ul> <li>Visible damage to connector or terminal</li> </ul>	J
Loose terminal	K
Poor connection     NOTE:	TX.
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).	L
<u>Is the inspection result normal?</u> YES >> GO TO 2.	
NO >> Perform one of the following repairs: • Visible damage: Replace the harness.	M
<ul> <li>Loose terminal: Secure the terminal.</li> <li>Poor connection: Secure the connection.</li> </ul>	
2.CONFIRM DTC	Ν
<ol> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check DTC</li> </ol>	0
Is DTC still current?	Ρ
YES >> GO TO 3. NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	
3.WIRING HARNESS	

Check the wiring harness for visible damage. **NOTE:** 

### **B0029 SIDE CURTAIN AIR BAG MODULE RH**

#### < DTC/CIRCUIT DIAGNOSIS >

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

#### CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

- YES >> GO TO 5.
- NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

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

- CONSULT
- 1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

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

6.SIDE CURTAIN AIR BAG MODULE RH

#### CONSULT

- 1. Replace the side curtain air bag module RH. Refer to <u>SR-22, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

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

#### **7.**RELATED HARNESS

Replace the related harness.

>> Inspection End.

#### < DTC/CIRCUIT DIAGNOSIS >

# B0094 CRASH ZONE SENSOR

### **DTC** Description

INFOID:000000012159682

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#### DTC DETECTION LOGIC

DTC	CONSULT name	JLT name DTC detecting condition		
			Diagnosis condition	When ignition switch is ON.
	CRASH ZONE SEN-		Signal (terminal)	Crash zone sensor (terminal 31 and 41)
	SOR [RESET]	93	Threshold	
			Diagnosis delay time	
			Diagnosis condition	When ignition switch is ON.
	CRASH ZONE SEN-		Signal (terminal)	Crash zone sensor (terminal 31 and 41)
	SOR [COMM ERR]	81	Threshold	_
			Diagnosis delay time	
			Diagnosis condition	When ignition switch is ON.
	CRASH ZONE SEN-		Signal (terminal)	Crash zone sensor (terminal 31 and 41)
	SOR [OPEN]	88	Threshold	
			Diagnosis delay time	
			Diagnosis condition	When ignition switch is ON.
	CRASH ZONE SEN-		Signal (terminal)	Crash zone sensor (terminal 31 and 41)
	SOR [UNMATCH]	86	Threshold	
			Diagnosis delay time	
	CRASH ZONE SEN-	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 31 and 41)
B0094	SOR [OFFSET ERR]	28	Threshold	—
			Diagnosis delay time	
	CRASH ZONE SEN- SOR	25	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 31 and 41)
	[SELF-DIAG ERR]		Threshold	_
			Diagnosis delay time	
			Diagnosis condition	When ignition switch is ON.
	CRASH ZONE SEN- SOR	23	Signal (terminal)	Crash zone sensor (terminal 31 and 41)
	[LOWER LIMIT ERR]	23	Threshold	-
			Diagnosis delay time	-
			Diagnosis condition	When ignition switch is ON.
	CRASH ZONE SEN- SOR	24	Signal (terminal)	Crash zone sensor (terminal 31 and 41)
	[UPPER LIMIT ERR]	24	Threshold	-
			Diagnosis delay time	
			Diagnosis condition	When ignition switch is ON.
	CRASH ZONE SEN-	11	Signal (terminal)	Crash zone sensor (terminal 31 and 41)
	SOR [GND-SHORT]	11	Threshold	—
	-		Diagnosis delay time	

POSSIBLE CAUSE

#### [RESET], [COMM ERR]

Connection malfunction of harness or connector

### **B0094 CRASH ZONE SENSOR**

#### < DTC/CIRCUIT DIAGNOSIS >

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

#### [OPEN]

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

#### [UNMATCH]

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

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]

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

#### [GND-SHORT]

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

#### FAIL-SAFE

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#### DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT

- 1. Turn ignition switch ON.
- 2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to <u>SRC-64, "Diagnosis Procedure"</u>.

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT

Erase DTC.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-64, "Diagnosis Procedure"</u>.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

### 1. CHECK SELF DIAGNOSTIC RESULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.

#### NOTE:

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

Is the DTC detected?

- YES >> Refer to <u>SRC-64</u>, "Diagnosis Procedure".
- NO >> Inspection End.

**Diagnosis** Procedure

**1.**HARNESS CONNECTOR

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

Revision: October 2015

#### **SRC-64**

2016 Maxima NAM

INFOID:000000012159683

### **B0094 CRASH ZONE SENSOR**

< DTC/CIRCUIT DIAGN	OSIS >
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<ul> <li>Loose terminal</li> <li>Poor connection</li> <li>NOTE:</li> </ul>	А
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?	В
YES >> GO TO 2.	
NO >> Perform one of the following repairs:	С
<ul> <li>Visible damage: Replace the harness.</li> <li>Loose terminal: Secure the terminal.</li> </ul>	
Poor connection: Secure the connection.	
2.confirm dtc	D
<ol> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> </ol>	E
3. Check DTC.	
Is DTC still current?	F
YES >> GO TO 3.	Γ
NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	
3.WIRING HARNESS	G
Check the wiring harness for visible damage.	
<b>NOTE:</b> The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component	000
(including any in-line connectors).	SRC
Is the inspection result normal?	
YES >> GO TO 4.	I
NO >> Replace the harness.	
4.CONFIRM DTC	
(P) CONSULT	J
1. Reconnect all harness connectors.	
<ol> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ol>	К
Is DTC still current?	
YES $>>$ GO TO 5.	
NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	L
5. CRASH ZONE SENSOR	
(P) CONSULT	M
1. Replace the crash zone sensor. Refer to <u>SR-25, "Removal and Installation"</u> .	IVI
2. Turn ignition switch ON.	
3. Check DTC.	Ν
Is DTC still current?	
YES >> GO TO 6. NO >> Clear DTC. Inspection End.	
6. AIR BAG DIAGNOSIS SENSOR UNIT	0
<ul> <li>CONSULT</li> <li>Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.</li> </ul>	Ρ
2. Turn ignition switch ON.	
3. Check DTC.	
Is DTC still current?	
YES >> GO TO 7.	
NO >> Clear DTC. Inspection End. 7.RELATED HARNESS	

< DTC/CIRCUIT DIAGNOSIS >

Replace the related harness.

>> Inspection End.

< DTC/CIRCUIT DIAGNOSIS >

# **B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH**

# **DTC** Description INFOID:000000012159684 DTC DETECTION LOGIC В С D Е

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#### < DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT name		DTC de	tecting condition
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN LH	93	Signal (terminal)	Front side air bag satellite sensor L (terminals 68 and 69)
	[RESET]		Threshold	_
			Diagnosis delay time	-
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN LH [COMM ERR]	81	Signal (terminal)	Front side air bag satellite sensor L (terminals 68 and 69)
			Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN LH [OPEN]	88	Signal (terminal)	Front side air bag satellite sensor L (terminals 68 and 69)
			Threshold	—
			Diagnosis delay time	—
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN LH [UNMATCH]	86	Signal (terminal)	Front side air bag satellite sensor L (terminals 68 and 69)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN LH [OFFSET ERR]		Diagnosis condition	When ignition switch is ON.
80091		28	Signal (terminal)	Front side air bag satellite sensor l (terminals 68 and 69)
			Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN LH [SELF-DIAG ERR]	25	Signal (terminal)	Front side air bag satellite sensor l (terminals 68 and 69)
			Threshold	—
			Diagnosis delay time	—
	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]		Diagnosis condition	When ignition switch is ON.
		23	Signal (terminal)	Front side air bag satellite sensor (terminals 68 and 69)
			Threshold	—
			Diagnosis delay time	—
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN LH [UPPER LIMIT ERR]	24	Signal (terminal)	Front side air bag satellite sensor (terminals 68 and 69)
			Threshold	-
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN LH [GND-SHORT]	11	Signal (terminal)	Front side air bag satellite sensor l (terminals 68 and 69)
			Threshold	_
			Diagnosis delay time	—

< DTC/CIRCUIT DIAGNOSIS >	
POSSIBLE CAUSE	
[RESET], [COMM ERR]	А
<ul> <li>Connection malfunction of harness or connector</li> <li>Internal malfunction of B-pillar satellite sensor LH</li> </ul>	
Internal malfunction of air bag diagnosis sensor unit	В
[OPEN]	
<ul> <li>Connection malfunction or open circuit of harness or connector</li> <li>Internal malfunction of B-pillar satellite sensor LH</li> </ul>	С
<ul> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	
	D
[UNMATCH]	D
<ul> <li>Air bag diagnosis sensor unit and B-pillar satellite sensor LH is different from part specified</li> </ul>	
[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]	Ε
Internal malfunction of B-pillar satellite sensor LH	
<ul> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	_
	F
[GND-SHORT]  • Connection malfunction or short circuit to ground of harness or connector	
<ul> <li>Internal malfunction of B-pillar satellite sensor LH</li> </ul>	G
<ul> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	
FAIL-SAFE	0.00
—	SRC
DTC CONFIRMATION PROCEDURE (With CONSULT)	
1.CHECK SELF DIAGNOSTIC RESULT	I
1. Turn ignition switch ON.	
2. Check DTC.	J
Is the DTC detected?	
YES (Current DTC)>> Refer to <u>SRC-69, "Diagnosis Procedure"</u> . YES (Past DTC)>> GO TO 2.	K
NO >> Inspection End.	
2. ERASE SELF DIAGNOSTIC RESULT	
	L
Erase DTC.	
Can the DTC be erased?	M
YES >> Inspection End.	
NO >> Refer to <u>SRC-69, "Diagnosis Procedure"</u> .	
	Ν
1.CHECK SELF DIAGNOSTIC RESULT	
1. Turn ignition switch ON.	0
<ol><li>Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>. NOTE:</li></ol>	
SRS will not enter diagnosis mode if no malfunction is detected in user mode.	
Is the DTC detected?	Ρ
YES >> Refer to <u>SRC-69, "Diagnosis Procedure"</u> .	
NO >> Inspection End.	
Diagnosis Procedure	
1. HARNESS CONNECTOR	

#### < DTC/CIRCUIT DIAGNOSIS >

Visually inspect all applicable harness connectors for the following:

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

#### NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

2. CONFIRM DTC

#### CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-41, "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

#### CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.
- Is DTC still current?
- YES >> GO TO 5.

NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

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

#### (I) CONSULT

- 1. Replace the front side air bag satellite sensor LH. Refer to <u>SR-27, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

- YES >> GO TO 6.
- NO >> Clear DTC. Inspection End.
- ${f 6}.$ AIR BAG DIAGNOSIS SENSOR UNIT

#### CONSULT

- 1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

< DTC/CIRCUIT DIAGNOSIS >	
7.RELATED HARNESS	А
Replace the related harness.	
>> Inspection End.	В
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< DTC/CIRCUIT DIAGNOSIS >

# B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

**DTC Description** 

INFOID:000000012159686

DTC DETECTION LOGIC

### < DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT name		DTC detecting condition			
			Diagnosis condition	When ignition switch is ON.		
	B-PILLAR SAT SEN RH	93	Signal (terminal)	Front side air bag satellite sensor LH (terminals 18 and 19)		
	[RESET]		Threshold			
			Diagnosis delay time			
	B-PILLAR SAT SEN LH [COMM ERR]		Diagnosis condition	When ignition switch is ON.		
		81	Signal (terminal)	Front side air bag satellite sensor LH (terminals 18 and 19)		
			Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	B-PILLAR SAT SEN RH [OPEN]	88	Signal (terminal)	Front side air bag satellite sensor LH (terminals 18 and 19)		
			Threshold	—		
			Diagnosis delay time	—		
			Diagnosis condition	When ignition switch is ON.		
	B-PILLAR SAT SEN RH [UNMATCH]	86	Signal (terminal)	Front side air bag satellite sensor LH (terminals 18 and 19)		
			Threshold	-		
			Diagnosis delay time	-		
B0096	B-PILLAR SAT SEN RH	28	Diagnosis condition	When ignition switch is ON.		
			Signal (terminal)	Front side air bag satellite sensor LH (terminals 18 and 19)		
	[OFFSET ERR]		Threshold	-		
			Diagnosis delay time	—		
	B-PILLAR SAT SEN RH [SELF-DIAG ERR] B-PILLAR SAT SEN RH [LOWER LIMIT ERR]		Diagnosis condition	When ignition switch is ON.		
		25	Signal (terminal)	Front side air bag satellite sensor LH (terminals 18 and 19)		
			Threshold	-		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
		23	Signal (terminal)	Front side air bag satellite sensor LH (terminals 18 and 19)		
			Threshold	—		
			Diagnosis delay time	—		
			Diagnosis condition	When ignition switch is ON.		
	B-PILLAR SAT SEN RH [UPPER LIMIT ERR]	24	Signal (terminal)	Front side air bag satellite sensor LH (terminals 18 and 19)		
			Threshold	—		
			Diagnosis delay time			
			Diagnosis condition	When ignition switch is ON.		
	B-PILLAR SAT SEN RH [GND-SHORT]	11	Signal (terminal)	Front side air bag satellite sensor LH (terminals 18 and 19)		
			Threshold			
			Diagnosis delay time	—		

#### < DTC/CIRCUIT DIAGNOSIS >

## POSSIBLE CAUSE

### [RESET], [COMM ERR]

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

#### [OPEN]

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

#### [UNMATCH]

• Air bag diagnosis sensor unit and front side air bag satellite sensor RH is different from the part specified

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]

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

### [OPEN]

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

## FAIL-SAFE

## DTC CONFIRMATION PROCEDURE (With CONSULT)

**1.**CHECK SELF DIAGNOSTIC RESULT

CONSULT

- Turn ignition switch ON.
- 2. Check DTC.

#### Is the DTC detected?

YES (Current DTC)>> Refer to SRC-75, "Diagnosis Procedure".

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

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## Erase DTC.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-75</u>, "Diagnosis Procedure".

## DTC CONFIRMATION PROCEDURE (Without CONSULT)

## 1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

Check the air bag warning lamp status. Refer to <u>SRC-15. "SRS Operation Check"</u>.

#### NOTE:

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

## Is the DTC detected?

- YES >> Refer to <u>SRC-75, "Diagnosis Procedure"</u>.
- NO >> Inspection End.

< DTC/CIRCUIT DIAGNOSIS >

1.HARNESS CONNECTOR Visually inspect all applicable harness connectors for the following: • Visible damage to connector or terminal
<ul> <li>Loose terminal</li> <li>Poor connection</li> <li>NOTE:</li> </ul>
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
<ul> <li>CONSULT</li> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>
<u>Is DTC still current?</u> YES >> GO TO 3.
NO >> Refer to <u>GI-41, "Intermittent Incident"</u> . <b>3.</b> WIRING HARNESS
Check the wiring harness for visible damage.
<b>NOTE:</b> 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
<ul> <li>CONSULT</li> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>
<u>Is DTC still current?</u> YES >> GO TO 5. NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .
5.FRONT SIDE AIR BAG SATELLITE SENSOR RH
<ul> <li>CONSULT</li> <li>Replace the front side air bag satellite sensor RH. Refer to <u>SR-27, "Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>
Is DTC still current?
YES >> GO TO 6. NO >> Clear DTC. Inspection End. <b>6.</b> AIR BAG DIAGNOSIS SENSOR UNIT
(P) CONSULT

Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.
 Turn ignition switch ON.

< DTC/CIRCUIT DIAGNOSIS >

3. Check DTC. <u>Is DTC still current?</u> YES >> GO TO 7. NO >> Clear DTC. Inspection End. **7.**RELATED HARNESS

Replace the related harness.

>> Inspection End.

## < DTC/CIRCUIT DIAGNOSIS >

# B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

## **DTC Description**

INFOID:000000012159688

## DTC DETECTION LOGIC

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DTC	CONSULT name		DTC detecting condition			
			Diagnosis condition	When ignition switch is ON.		
	C-PILLAR SAT SEN LH [RESET]	93	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 61 and 62)		
			Threshold	—		
			Diagnosis delay time	—		
			Diagnosis condition	When ignition switch is ON.		
	C-PILLAR SAT SEN LH	81	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 61 and 62)		
	[COMM ERR]		Threshold	—		
			Diagnosis delay time	—		
			Diagnosis condition	When ignition switch is ON.		
	C-PILLAR SAT SEN LH	88	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 61 and 62)		
	[DISCONNECT]		Threshold	-		
			Diagnosis delay time	-		
	C-PILLAR SAT SEN LH [UNMATCH]		Diagnosis condition	When ignition switch is ON.		
		86	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 61 and 62)		
			Threshold	-		
0000			Diagnosis delay time	—		
0092		28	Diagnosis condition	When ignition switch is ON.		
	C-PILLAR SAT SEN LH		Signal (terminal)	Rear side air bag satellite sensor LH (terminal 61 and 62)		
	[OFFSET ERR]		Threshold	-		
			Diagnosis delay time	—		
	C-PILLAR SAT SEN LH		Diagnosis condition	When ignition switch is ON.		
		25	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 61 and 62)		
	[SELF-DIAG ERR]		Threshold	—		
			Diagnosis delay time	—		
			Diagnosis condition	When ignition switch is ON.		
	C-PILLAR SAT SEN LH	23	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 61 and 62)		
	[LOWER LIMIT ERR]		Threshold	—		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	C-PILLAR SAT SEN LH	24	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 61 and 62)		
	[UPPER LIMIT ERR]		Threshold	_		
			Diagnosis delay time	_		

### < DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT name	DTC detecting condit		ng condition
			Diagnosis condition	When ignition switch is ON.
B0092	C-PILLAR SAT SEN LH [GND-SHORT]	11	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	_

## POSSIBLE CAUSE

### [RESET], [COMM ERR]

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

### [OPEN], [DISCONNECT]

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

#### [UNMATCH]

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

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]

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

## [GND-SHORT]

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

## FAIL-SAFE

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## DTC CONFIRMATION PROCEDURE (With CONSULT)

**1.**CHECK SELF DIAGNOSTIC RESULT

## CONSULT

- Turn ignition switch ON.
- 2. Check DTC.
- 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 DIAGNOSTIC RESULT

## 

Erase DTC.

## Can the DTC be erased?

- YES >> Inspection End.
- NO >> Refer to <u>SRC-79, "Diagnosis Procedure"</u>.

## DTC CONFIRMATION PROCEDURE (Without CONSULT)

**1.**CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

BUUJZ REAR SIDE AIR BAG SATELLITE SENSOR LA
< DTC/CIRCUIT DIAGNOSIS >
2. Check the air bag warning lamp status. Refer to <u>SRC-15. "SRS Operation Check"</u> .
<b>NOTE:</b> SRS will not enter diagnosis mode if no malfunction is detected in user mode.
Is the DTC detected?
YES >> Refer to <u>SRC-79, "Diagnosis Procedure"</u> .
NO >> Inspection End.
Diagnosis Procedure
1. HARNESS CONNECTOR
Visually inspect all applicable harness connectors for the following:
Visible damage to connector or terminal
Loose terminal     Poor connection
NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component
(including any in-line connectors).
<u>Is the inspection result normal?</u> YES >> GO TO 2.
NO >> Perform one of the following repairs:
<ul> <li>Visible damage: Replace the harness.</li> </ul>
<ul> <li>Loose terminal: Secure the terminal.</li> <li>Poor connection: Secure the connection.</li> </ul>
2.CONFIRM DTC
<ul> <li>CONSULT</li> <li>Reconnect all harness connectors.</li> </ul>
2. Turn ignition switch ON.
3. Check DTC.
Is DTC still current?
YES >> GO TO 3. NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .
3. WIRING HARNESS
Check the wiring harness for visible damage. <b>NOTE:</b>
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
CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check DTC.
Is DTC still current?
YES >> GO TO 5. NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .
5. REAR SIDE AIR BAG SATELLITE SENSOR LH
(P) CONSULT
1. Replace the rear side air bag satellite sensor LH. Refer to <u>SR-27, "Removal and Installation"</u> .
2 Turn ignition switch ON

- Turn ignition switch ON.
   Check DTC.

< DTC/CIRCUIT DIAGNOSIS >

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

## CONSULT

- 1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

## Is DTC still current?

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

7.RELATED HARNESS

Replace the related harness.

>> Inspection End.

< DTC/CIRCUIT DIAGNOSIS >

# B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

		А
DTC Description	INFOID:000000012159690	A
DTC DETECTION LOGIC		В
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### < DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT name		DTC detecting condition				
			Diagnosis condition	When ignition switch is ON.			
	C-PILLAR SAT SEN RH [RESET]	93	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 11 and 12)			
			Threshold				
			Diagnosis delay time	_			
			Diagnosis condition	When ignition switch is ON.			
	C-PILLAR SAT SEN RH [COMM ERR]	81	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 11 and 12)			
			Threshold				
			Diagnosis delay time	—			
			Diagnosis condition	When ignition switch is ON.			
	C-PILLAR SAT SEN RH [OPEN]	88	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 11 and 12)			
			Threshold	—			
			Diagnosis delay time	—			
			Diagnosis condition	When ignition switch is ON.			
	C-PILLAR SAT SEN RH	86	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 11 and 12)			
	[UNMATCH]		Threshold	—			
			Diagnosis delay time	—			
	C-PILLAR SAT SEN RH [OFFSET ERR]		Diagnosis condition	When ignition switch is ON.			
B0097		28	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 11 and 12)			
			Threshold	-			
			Diagnosis delay time	—			
			Diagnosis condition	When ignition switch is ON.			
	C-PILLAR SAT SEN RH [SELF-DIAG ERR]	25	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 11 and 12)			
			Threshold	—			
			Diagnosis delay time	—			
	C-PILLAR SAT SEN RH [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.			
			Signal (terminal)	Rear side air bag satellite sensor RH (terminal 11 and 12)			
			Threshold	_			
			Diagnosis delay time	—			
			Diagnosis condition	When ignition switch is ON.			
	C-PILLAR SAT SEN RH [UPPER LIMIT ERR]	24	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 11 and 12)			
			Threshold	—			
			Diagnosis delay time	—			
			Diagnosis condition	When ignition switch is ON.			
	C-PILLAR SAT SEN RH [GND-SHORT]	11	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 11 and 12)			
			Threshold	—			
			Diagnosis delay time	-			

## POSSIBLE CAUSE

< DTC/CIRCUIT DIAGNOSIS >	
<ul> <li>[RESET], [COMM ERR]</li> <li>Connection malfunction of harness or connector</li> <li>Internal malfunction of rear side air bag satellite sensor RH</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	A
	В
<ul> <li>[OPEN]</li> <li>Connection malfunction or open circuit of harness or connector</li> <li>Internal malfunction of rear side air bag satellite sensor RH</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	С
[UNMATCH] <ul> <li>Air bag diagnosis sensor unit and rear side air bag satellite sensor RH is different from the part specified</li> </ul>	D
<ul> <li>[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]</li> <li>Internal malfunction of rear side air bag sensor RH</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	E
<ul> <li>[GND-SHORT]</li> <li>Connection malfunction or short circuit to ground of harness and connector</li> <li>Internal malfunction of rear side air bag satellite sensor RH</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	F
FAIL-SAFE	SRC
DTC CONFIRMATION PROCEDURE (With CONSULT)	
1. CHECK SELF DIAGNOSTIC RESULT	
<ul> <li>CONSULT</li> <li>Turn ignition switch ON.</li> <li>Check for DTC using CONSULT.</li> <li><u>Is the DTC detected?</u></li> <li>YES (Current DTC)&gt;&gt; Refer to <u>SRC-83, "Diagnosis Procedure"</u>.</li> <li>YES (Past DTC)&gt;&gt; GO TO 2.</li> <li>NO &gt;&gt; Inspection End.</li> </ul>	J K
2. ERASE SELF DIAGNOSTIC RESULT	1
CONSULT Erase DTC. <u>Can the DTC be erased?</u> YES >> Inspection End.	M
NO >> Refer to <u>SRC-83, "Diagnosis Procedure"</u> .	Ν
DTC CONFIRMATION PROCEDURE (Without CONSULT) 1.CHECK SELF DIAGNOSTIC RESULT	IN
<ol> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.</li> <li>NOTE:</li> </ol>	0
SRS will not enter diagnosis mode if no malfunction is detected in user mode. <u>Is the DTC detected?</u> YES >> Refer to <u>SRC-83, "Diagnosis Procedure"</u> .	Ρ
NO >> Inspection End.	
Diagnosis Procedure	
1. HARNESS CONNECTOR	

### < DTC/CIRCUIT DIAGNOSIS >

Visually inspect all applicable harness connectors for the following:

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

### NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

2. CONFIRM DTC

### CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

**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

CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

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

1. Replace the rear side air bag satellite sensor RH. 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

## CONSULT

- 1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

< DTC/CIRCUIT DIAGNOSIS >	
7.RELATED HARNESS	Α
Replace the related harness.	A
>> Inspection End.	В
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< DTC/CIRCUIT DIAGNOSIS >

# B0093 FRONT DOOR SATELLITE SENSOR LH

**DTC Description** 

INFOID:000000012159692

DTC DETECTION LOGIC

### < DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT name	DTC detecting condition				
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH	93	Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)		
	[RESET]		Threshold	-		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH [COMM ERR]	81	Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)		
			Threshold			
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH [OPEN]	88	Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)		
			Threshold	_		
			Diagnosis delay time	-		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH [UNMATCH]	86	Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)		
			Threshold	—		
			Diagnosis delay time	_		
	DOOR SATEL SENS LH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.		
B0093			Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)		
			Threshold			
			Diagnosis delay time	-		
	DOOR SATEL SENS LH [SELF-DIAG ERR]		Diagnosis condition	When ignition switch is ON.		
		25	Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)		
			Threshold	_		
			Diagnosis delay time	-		
		23	Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH [LOWER LIMIT ERR]		Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)		
			Threshold	—		
			Diagnosis delay time			
		24	Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH [UPPER LIMIT ERR]		Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)		
			Threshold	—		
			Diagnosis delay time	-		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH [GND-SHORT]	11	Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)		
			Threshold	—		
			Diagnosis delay time	_		

## POSSIBLE CAUSE

#### < DTC/CIRCUIT DIAGNOSIS >

#### [RESET], [COMM ERR]

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

#### [OPEN]

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

#### [UNMATCH]

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

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]

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

FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

**1.**CHECK SELF DIAGNOSTIC RESULT

### CONSULT

- Turn ignition switch ON.
- 2. Check DTC.

#### Is the DTC detected?

YES (Current DTC)>> Refer to <u>SRC-88, "Diagnosis Procedure"</u>.

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

# 

Erase DTC.

## Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-88</u>, "Diagnosis Procedure".

## DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

 Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>. NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-88, "Diagnosis Procedure"</u>.

NO >> Inspection End.

## **Diagnosis** Procedure

## **1.**HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

#### NOTE:

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

## **SRC-88**

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INFOID:000000012159693

< DTC/CIRCUIT DIAGNOSIS >	
Is the inspection result normal?	
YES >> GO TO 2. NO >> Perform one of the following repairs:	А
<ul> <li>Visible damage: Replace the harness.</li> <li>Loose terminal: Secure the terminal.</li> <li>Poor connection: Secure the connection.</li> </ul>	В
2.confirm dtc	
	С
<ol> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ol>	D
Is DTC still current?	
YES >> GO TO 3. NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	E
3. WIRING HARNESS	
Check the wiring harness for visible damage.	F
<b>NOTE:</b> 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?	G
YES >> GO TO 4. NO >> Replace the harness.	
4. CONFIRM DTC	SRC
ONSULT	
<ol> <li>Reconnect all harness connectors.</li> </ol>	
<ol> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ol>	
Is DTC still current?	J
YES >> GO TO 5.	J
NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	
5.FRONT DOOR SATELLITE SENSOR LH	Κ
CONSULT <ol> <li>Replace the front door satellite sensor LH. Refer to <u>SR-27, "Removal and Installation"</u>.</li> </ol>	
2. Turn ignition switch ON.	L
3. Check DTC.	
<u>Is DTC still current?</u> YES >> GO TO 6.	М
NO >> Clear DTC. Inspection End.	1 1 1
6. AIR BAG DIAGNOSIS SENSOR UNIT	
	Ν
1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u> .	
<ol> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ol>	0
Is DTC still current?	
YES >> GO TO 7. NO >> Clear DTC. Inspection End.	Р
NO >> Clear DTC. Inspection End. 7.RELATED HARNESS	

Replace the related harness.

>> Inspection End.

< DTC/CIRCUIT DIAGNOSIS >

# **B0098 FRONT DOOR SATELLITE SENSOR RH**

**DTC Description** 

INFOID:000000012159694

DTC DETECTION LOGIC

### < DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT name	DTC detecting condition				
			Diagnosis condition When ignition switch is ON.			
	DOOR SATEL SENS RH	93	Signal (terminal)	Front door satellite sensor RH (Terminal 32 and 42)		
	[RESET]		Threshold	_		
			Diagnosis delay time	-		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS RH	81	Signal (terminal)	Front door satellite sensor RH (Terminal 32 and 42)		
	[COMM ERR]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS RH [OPEN]	88	Signal (terminal)	Front door satellite sensor RH (Terminal 32 and 42)		
			Threshold	_		
			Diagnosis delay time			
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS RH [UNMATCH]	86	Signal (terminal)	Front door satellite sensor RH (Terminal 32 and 42)		
	[UNMATCH]		Threshold	_		
			Diagnosis delay time	_		
	DOOR SATEL SENS RH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.		
B0098			Signal (terminal)	Front door satellite sensor RH (Terminal 32 and 42)		
			Threshold			
			Diagnosis delay time	_		
		25	Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS RH [SELF-DIAG ERR]		Signal (terminal)	Front door satellite sensor RH (Terminal 32 and 42)		
	[SELF-DIAG ERK]		Threshold	_		
			Diagnosis delay time	-		
		23	Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS RH [LOWER LIMIT ERR]		Signal (terminal)	Front door satellite sensor RH (Terminal 32 and 42)		
			Threshold	—		
			Diagnosis delay time			
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS RH	24	Signal (terminal)	Front door satellite sensor RH (Terminal 32 and 42)		
	[UPPER LIMIT ERR]		Threshold	-		
			Diagnosis delay time	-		
	DOOR SATEL SENS RH [GND-SHORT]		Diagnosis condition	When ignition switch is ON.		
		11	Signal (terminal)	Front door satellite sensor RH (Terminal 32 and 42)		
			Threshold	_		
			Diagnosis delay time	_		

## POSSIBLE CAUSE

#### < DTC/CIRCUIT DIAGNOSIS >

#### [RESET], [COMM ERR]

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

#### [OPEN]

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

#### [UNMATCH]

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

[OFFSET ERR], [SELF-DIAD ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]

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

[GND-SHORT]

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

## FAIL-SAFE

## DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC 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 DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

#### Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-92, "Diagnosis Procedure"</u>.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

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

NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-92, "Diagnosis Procedure"</u>.

NO >> Inspection End.

Diagnosis Procedure

**1**.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

Visible damage to connector or terminal

Loose terminal

INFOID:000000012159695

## < DTC/CIRCUIT DIAGNOSIS >

•	Poor	connection

<b>NOTE:</b> All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).	А
Is the inspection result normal?	В
YES >> GO TO 2.	D
<ul> <li>NO &gt;&gt; Perform one of the following repairs:</li> <li>Visible damage: Replace the harness.</li> </ul>	
Loose terminal: Secure the terminal.	С
Poor connection: Secure the connection.	
2.CONFIRM DTC	D
(E) CONSULT	
<ol> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> </ol>	_
3. Check DTC.	Ε
Is DTC still current?	
YES >> GO TO 3.	F
NO >> Refer to <u>GI-41, "Intermittent Incident"</u> . <b>3.</b> WIRING HARNESS	
	G
Check the wiring harness for visible damage. NOTE:	0
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component	
	SRO
Is the inspection result normal? YES >> GO TO 4.	
NO >> Replace the harness.	
4.CONFIRM DTC	
(E) CONSULT	J
<ol> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> </ol>	0
3. Check DTC.	
Is DTC still current?	Κ
YES >> GO TO 5.	
NO >> Refer to <u>GI-41, "Intermittent Incident"</u> . <b>5.</b> FRONT DOOR SATELLITE SENSOR RH	L
<ul> <li>CONSULT</li> <li>Replace the front door satellite sensor RH. Refer to <u>SR-27, "Removal and Installation"</u>.</li> </ul>	M
2. Turn ignition switch ON.	IVI
3. Check DTC.	
<u>Is DTC still current?</u> YES >> GO TO 6.	Ν
NO >> Clear DTC. Inspection End.	
6. AIR BAG DIAGNOSIS SENSOR UNIT	0
CONSULT	
<ol> <li>Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> </ol>	Р
3. Check DTC.	-
Is DTC still current?	
YES >> GO TO 7. NO >> Clear DTC. Inspection End.	

# **7**.RELATED HARNESS

Replace the related harness.

< DTC/CIRCUIT DIAGNOSIS >

>> Inspection End.

## < DTC/CIRCUIT DIAGNOSIS >

## **B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT**

## Description

## DTC B00A0 OCCUPANT CLASSIFICATION SYSTEM (OCS)

The OCS control unit is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the OCS for failures and interruptions in communication between the OCS control unit and the air bag diagnosis sensor unit.

## PART LOCATION

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

## **DTC** Description

## DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B00A0-00	OCCUPANT SENS [ABNORMAL VOLTAGE]		Power supply malfunction of occupant detection sensor
B00A0-02	[Occupant Classification	[UNIT MALFUNC]	Malfunction of occupant detection sensor
B00A0-09	System (Subfault)]	[UNIT MALFUNC]	Malfunction of occupant detection sensor
B00A0-04		[UNIT MALFUNC]	Malfunction of occupant detection sensor control unit
B00A0-83	OCCUPANT SENS C/U [Occupant Classification System (Subfault)]	[COMM ERR]	<ul> <li>Communication malfunction of occupant detection sensor control unit</li> <li>Communication blank of occupant detection sensor control unit</li> </ul>
B00A0-86		[COMM ERR]	<ul> <li>Communication malfunction of occupant detection sensor control unit</li> <li>Communication blank of occupant detection sensor control unit</li> </ul>
B00A0-87		[COMM ERR]	<ul> <li>Communication malfunction of occupant detection sensor control unit</li> <li>Communication blank of occupant detection sensor control unit</li> </ul>
B00A0-88		[COMM ERR]	<ul> <li>Communication malfunction of occupant detection sensor control unit</li> <li>Communication blank of occupant detection sensor control unit</li> </ul>
B00A0-8F		[UNDEFINED]	Undefined status of occupant detection sensor control unit
B00A0-93	-	[RESET]	Reset malfunction of occupant detection sensor control unit

## DTC CONFIRMATION PROCEDURE (With CONSULT)

# 1. CHECK SELF DIAGNOSTIC RESULT

## CONSULT

Turn ignition switch ON.

2. Check DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to:

• B00A0-00, -02 or -09: <u>SRC-96, "Diagnosis Procedure (B00A0-00, -02 or -09)"</u>

- B00A0-04: SRC-97, "Diagnosis Procedure (B00A0-04)"
- B00A0-83, -86, -87, -88 or -8F: SRC-98, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"

• B00A0-93: SRC-99, "Diagnosis Procedure (B00A0-93)"

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

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< DTC/CIRCUIT DIAGNOSIS >

### (P) CONSULT

Erase DTC.

#### Can the DTC be erased?

YES >> Inspection End.

- NO >> Refer to:
  - B00A0-00, -02 or -09: SRC-96, "Diagnosis Procedure (B00A0-00, -02 or -09)"
  - B00A0-04: SRC-97, "Diagnosis Procedure (B00A0-04)"
  - B00A0-83, -86, -87, -88 or -8F: SRC-98, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
  - B00A0-93: SRC-99, "Diagnosis Procedure (B00A0-93)"

DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1. Turn ignition switch ON.

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

#### NOTE:

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

### Is the DTC detected?

- YES >> Refer to:
  - B00A0-00, -02 or -09: SRC-96, "Diagnosis Procedure (B00A0-00, -02 or -09)"

  - B00A0-04: <u>SRC-97, "Diagnosis Procedure (B00A0-04)"</u>
    B00A0-83, -86, -87, -88 or -8F: <u>SRC-98, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"</u>
  - B00A0-93: <u>SRC-99</u>, "Diagnosis Procedure (B00A0-93)"
- NO >> Inspection End.

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

INFOID:000000012159698

## **1**.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

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

#### Is the inspection result normal?

YES >> GO TO 3. NO

- >> Perform the following repairs. Then, GO TO 2.
  - · Visible damage: Replace the harness.
  - · Loose terminal: Secure the terminal.
  - · Poor connection: Secure the connection.

## 2.CONFIRM DTC

- (P) CONSULT
- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.
- Is DTC still current?
- YES >> GO TO 3.

>> Clear DTC and perform zero point reset. Refer to SRC-39, "ZERO POINT RESET : Description". NO 3.REPLACE OCS CONTROL UNIT AND SENSORS

## (P) CONSULT

- Replace the OCS control unit and sensors. Refer to SR-34, "Removal and Installation Control Unit". 1.
- 2. Turn ignition switch ON.
- Check DTC. 3.

## Is DTC still current?

>> GO TO 4. YES

< DTC/CIRCUIT DIAGNOSIS >	
NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39</u> , "ZERO POINT RESET : Description".	
4.AIR BAG DIAGNOSIS SENSOR UNIT	А
<ul> <li>CONSULT</li> <li>Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	В
Is DTC still current?	С
YES >> GO TO 5. NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u> .	0
5.RELATED HARNESS	D
<ul> <li>CONSULT</li> <li>Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit).</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	Е
Is DTC still current?	F
YES >> GO TO 6. NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u> .	
6.REPLACE PASSENGER SEAT CUSHION FRAME	G
<ul> <li>CONSULT</li> <li>Replace the passenger seat cushion frame. Refer to <u>SE-107, "PASSENGER SIDE : Seatback"</u>.</li> <li>Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u>.</li> </ul>	SRO
>> Inspection End.	
Diagnosis Procedure (B00A0-04)	I
1.HARNESS CONNECTOR	J
<ul><li>Visually inspect all applicable harness connectors for the following:</li><li>Visible damage to connector or terminal</li></ul>	
Loose terminal	K
Poor connection     NOTE:	
All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors)	L
Is the inspection result normal?	
YES >> GO TO 3. NO >> Perform the following repairs. Then, GO TO 2. • Visible damage: Replace the harness.	M
<ul> <li>Loose terminal: Secure the terminal.</li> <li>Poor connection: Secure the connection.</li> </ul>	Ν
2.CONFIRM DTC	14
<ul> <li>CONSULT</li> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	0
<u>Is DTC still current?</u>	Ρ
YES >> GO TO 3.	
NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u> . <b>3.</b> REPLACE OCS CONTROL UNIT	
<ol> <li>CONSULT</li> <li>Replace the OCS control unit. Refer to <u>SR-34, "Removal and Installation - Control Unit"</u>.</li> <li>Turn ignition switch ON.</li> </ol>	

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< DTC/CIRCUIT DIAGNOSIS >

3. Check DTC.

Is DTC still current?

YES >> GO TO 4.

NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39</u>, "ZERO POINT RESET : Description".

## 4.AIR BAG DIAGNOSIS SENSOR UNIT

### CONSULT

- 1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

### Is DTC still current?

YES >> GO TO 5.

NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39. "ZERO POINT RESET : Description"</u>.

## **5.**RELATED HARNESS

## CONSULT

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

### Is DTC still current?

- YES >> GO TO 6.
- NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u>.

## **6**.REPLACE OCS SENSORS

### CONSULT

- 1. Replace the OCS sensors. Refer to <u>SR-34, "Removal and Installation Control Unit"</u>.
- 2. Turn ignition switch ON.
- 3. Check for DTC.

## Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39. "ZERO POINT RESET : Description"</u>.

7.REPLACE PASSENGER SEAT CUSHION FRAME

- 1. Replace the passenger seat cushion frame. Refer to SE-108, "PASSENGER SIDE : Seat Cushion".
- 2. Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u>.

>> Inspection End.

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

INFOID:000000012159700

## **1.**HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

#### NOTE:

NO

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

#### Is the inspection result normal?

YES >> GO TO 3.

- >> Perform the following repairs. Then, GO TO 2.
  - Visible damage: Replace the harness.
  - Loose terminal: Secure the terminal.
  - Poor connection: Secure the connection.

2.CONFIRM DTC

< DTC/CIRCUIT DIAGNOSIS >	
<ul> <li>CONSULT</li> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check for DTC using CONSULT.</li> </ul>	А
Is DTC still current?	В
YES >> GO TO 3. NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u> . <b>3.</b> REPLACE OCS CONTROL UNIT AND SENSORS	С
<ul> <li>CONSULT</li> <li>Replace the OCS control unit and sensors. Refer to <u>SR-34, "Removal and Installation - Control Unit"</u>.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	D
<u>Is DTC still current?</u> YES >> GO TO 4. NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39. "ZERO POINT RESET : Description"</u> . <b>4.</b> AIR BAG DIAGNOSIS SENSOR UNIT	E
<ul> <li>CONSULT</li> <li>Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	G
<u>Is DTC still current?</u> YES >> GO TO 5. NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39. "ZERO POINT RESET : Description"</u> . <b>5.</b> RELATED HARNESS	SRC
<ul> <li>CONSULT</li> <li>Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit).</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	l J
<u>Is DTC still current?</u> YES >> GO TO 6. NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39. "ZERO POINT RESET : Description"</u> . <b>6.</b> REPLACE PASSENGER SEAT CUSHION FRAME	K
	L
<ol> <li>CONSULT</li> <li>Replace the passenger seat cushion frame. Refer to <u>SE-108, "PASSENGER SIDE : Seat Cushion"</u>.</li> <li>Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u>.</li> </ol>	M
>> Inspection End.	
Diagnosis Procedure (B00A0-93)	Ν
1.PERFORM ZERO POINT RESET	
<ul> <li>CONSULT</li> <li>Perform zero point reset. Refer to <u>SRC-39. "ZERO POINT RESET : Description"</u>.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	O P
Is DTC still current?	
YES >> GO TO 2. NO >> Clear DTC. Inspection End.	
2.HARNESS CONNECTOR	
Visually inspect all applicable harness connectors for the following:	

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Visible damage to connector or terminal

## < DTC/CIRCUIT DIAGNOSIS >

#### Loose terminal

Poor connection

#### NOTE:

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

#### Is the inspection result normal?

- YES >> GO TO 4. NO >> Perform
  - >> Perform the following repairs. Then, GO TO 3.
    - Visible damage: Replace the harness.
    - Loose terminal: Secure the terminal.
    - Poor connection: Secure the connection.

## 3.confirm dtc

### CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.

## Is DTC still current?

- YES >> GO TO 4.
- NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u>.

## **4.**REPLACE OCS CONTROL UNIT

## CONSULT

- 1. Replace the OCS control unit. Refer to <u>SR-34, "Removal and Installation Control Unit"</u>.
- 2. Turn ignition switch ON.
- Check DTC.

### Is DTC still current?

- YES >> GO TO 5.
- NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u>.

## ${f 5}.$ AIR BAG DIAGNOSIS SENSOR UNIT

## CONSULT

- 1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

## Is DTC still current?

- YES >> GO TO 6.
- NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u>.

## **6**.RELATED HARNESS

## CONSULT

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

#### Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u>.
7

## **7.**REPLACE OCS SENSORS

## CONSULT

- 1. Replace the OCS sensors. Refer to <u>SR-34, "Removal and Installation Control Unit"</u>.
- 2. Turn ignition switch ON.
- Check DTC.

### Is DTC still current?

- YES >> GO TO 8.
- NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-39</u>, "ZERO POINT RESET : Description".

## SRC-100

#### < DTC/CIRCUIT DIAGNOSIS >

8. REPLACE PASSENGER SEAT CUSHION FRAME	A
<ul> <li>CONSULT</li> <li>Replace the passenger seat cushion frame. Refer to <u>SE-108, "PASSENGER SIDE : Seat Cushion"</u>.</li> <li>Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u>.</li> </ul>	
2. Clear DTC and perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u> .	В
>> Inspection End.	
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## **B00D5 PASSENGER AIR BAG OFF INDICATOR**

### < DTC/CIRCUIT DIAGNOSIS >

## B00D5 PASSENGER AIR BAG OFF INDICATOR

## **DTC** Description

INFOID:000000012159702

## DTC DETECTION LOGIC

DTC	CONSULT name	ame DTC detecting condition		
			Diagnosis condition	When ignition is ON.
	PASS A/B INDCTR CKT [UNIT MALFUNC]	04	Signal (terminal)	Front passenger air bag OFF indicator (Terminal 27 and 47)
			Threshold	_
			Diagnosis delay time	
			Diagnosis condition	When ignition is ON.
	PASS A/B INDCTR CKT [PWR-SHORT/OPEN]	15	Signal (terminal)	Front passenger air bag OFF indicator (Terminal 27 and 47)
			Threshold	
			Diagnosis delay time	
			Diagnosis condition	When ignition is ON.
B00D5	PASS A/B INDCTR CKT [OPEN]	13	Signal (terminal)	Front passenger air bag OFF indicator (Terminal 27 and 47)
			Threshold	_
			Diagnosis delay time	
		12	Diagnosis condition	When ignition is ON.
	PASS A/B INDCTR CKT [VB-SHORT]		Signal (terminal)	Front passenger air bag OFF indicator (Terminal 27 and 47)
			Threshold	
			Diagnosis delay time	
			Diagnosis condition	When ignition is ON.
	PASS A/B INDCTR CKT [GND-SHORT]	11	Signal (terminal)	Front passenger air bag OFF indicator (Terminal 27 and 47)
			Threshold	-
			Diagnosis delay time	-

## POSSIBLE CAUSE

[UNIT MALFUNC]

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

#### [PWE-SHORT/OPEN]

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

### [OPEN]

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

#### [VB-SHORT]

· Connection malfunction or short circuit to power supply of harness and connector

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## SRC-102

## **B00D5 PASSENGER AIR BAG OFF INDICATOR**

< DTC/CIRCUIT DIAGNOSIS >	
<ul> <li>Internal malfunction of front passenger air bag OFF indicator</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	А
<ul> <li>[GND-SHORT]</li> <li>Connection malfunction or short circuit to ground of harness and connector</li> <li>Internal malfunction of front passenger air bag OFF indicator</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	В
DTC CONFIRMATION PROCEDURE (With CONSULT)	С
1. CHECK SELF DIAGNOSTIC RESULT	
<ul> <li>CONSULT</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	D
<u>Is the DTC detected?</u> YES (Current DTC)>> Refer to <u>SRC-103, "Diagnosis Procedure"</u> . YES (Past DTC)>> GO TO 2. NO >> Inspection End.	E
2. ERASE SELF DIAGNOSTIC RESULT	F
CONSULT     Erase DTC.	G
Can the DTC be erased?         YES       >> Inspection End.         NO       >> Refer to <u>SRC-103, "Diagnosis Procedure"</u> .	SRC
DTC CONFIRMATION PROCEDURE (Without CONSULT) $1.$ CHECK SELF DIAGNOSTIC RESULT	
<ul> <li>CONSULT</li> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.</li> <li><b>NOTE:</b></li> <li>SRS will not enter diagnosis mode if no malfunction is detected in user mode.</li> </ul>	J
<u>Is the DTC detected?</u> YES >> Refer to <u>SRC-103, "Diagnosis Procedure"</u> . NO >> Inspection End.	K
Diagnosis Procedure	L
1.HARNESS CONNECTOR	M
<ul> <li>Visually inspect all applicable harness connectors for the following:</li> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>Poor connection</li> <li>NOTE:</li> </ul>	Ν
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?	0
<ul> <li>YES &gt;&gt; GO TO 2.</li> <li>NO &gt;&gt; Perform one of the following repairs: <ul> <li>Visible damage: Replace the harness.</li> <li>Loose terminal: Secure the terminal.</li> <li>Poor connection: Secure the connection.</li> </ul> </li> </ul>	Ρ
2.CONFIRM DTC	

1. Reconnect all harness connectors.

## **B00D5 PASSENGER AIR BAG OFF INDICATOR**

< DTC/CIRCUIT DIAGNOSIS >

- 2. Turn ignition switch ON.
- 3. Check DTC.

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

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 DTC.

### Is DTC still current?

YES >> GO TO 5.

NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

5. PASSENGER AIR BAG OFF INDICATOR

### CONSULT

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

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

 ${f 6}.$ AIR BAG DIAGNOSIS SENSOR UNIT

# CONSULTReplace t

- 1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> Inspection End.

## **B1428 SEAT BELT BUCKLE SWITCH LH**

## < DTC/CIRCUIT DIAGNOSIS >

# B1428 SEAT BELT BUCKLE SWITCH LH

## **DTC** Description

INFOID:000000012159704

## DTC DETECTION LOGIC

А

DTC	CONSULT name		DTC detecting condition			
			Diagnosis condition	When ignition switch is ON.		
	BUCKLE SW LH [OPEN]	13	Signal (terminal)	Seat belt buckle switch LH circuit is open. (terminal 67).		
	[OPEN]		Threshold	_		
			Diagnosis delay time	-		
			Diagnosis condition	When ignition switch is ON.		
	BUCKLE SW LH [VB-SHORT]	12	Signal (terminal)	Seat belt buckle switch LH circuit is short- ed to power. (terminal 67).		
			Threshold	—		
B1428			Diagnosis delay time	—		
	BUCKLE SW LH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.		
			Signal (terminal)	Seat belt buckle switch LH circuit is short- ed to ground (terminal 67).		
			Threshold	—		
			Diagnosis delay time	—		
		00	Diagnosis condition	When ignition switch is ON.		
	BUCKLE SW LH		Signal (terminal)	Seat belt buckle switch (terminal 67).		
	[UNDEFINED]		Threshold	—		
			Diagnosis delay time	—		

## POSSIBLE CAUSE

[OPEN] • Connection malfunction or open circuit of harness and connector • Internal malfunction of seat belt buckle switch LH	K
<ul> <li>[VB-SHORT]</li> <li>Connection malfunction or short circuit to power supply of harness and connector</li> <li>Internal malfunction of seat belt buckle switch LH</li> <li>Internal malfunction of diagnosis sensor unit</li> </ul>	M
[GND-SHORT] • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of seat belt buckle switch LH • Internal malfunction of diagnosis sensor unit	N
[UNDEFINED] • Connection malfunction or open circuit of harness and connector • Internal malfunction of seat belt buckle switch LH • Internal malfunction of diagnosis sensor unit	P
FAIL-SAFE	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

## **B1428 SEAT BELT BUCKLE SWITCH LH**

< DTC/CIRCUIT DIAGNOSIS >

### 

Turn ignition switch ON.

Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to <u>SRC-106, "Diagnosis Procedure"</u>.

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

## CONSULT

Erase DTC.

## Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-106</u>, "Diagnosis Procedure".

## DTC CONFIRMATION PROCEDURE (Without CONSULT)

## 1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to SRC-15. "SRS Operation Check".

### NOTE:

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

### Is the DTC detected?

- YES >> Refer to <u>SRC-106, "Diagnosis Procedure"</u>.
- NO >> Inspection End.

## Diagnosis Procedure

INFOID:000000012159705

## **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

- >> Perform one of the following repairs:
  - Visible damage: Replace the harness.
  - · Loose terminal: Secure the terminal.
  - Poor connection: Secure the connection.

## 2. CONFIRM DTC

## CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.

## Is DTC still current?

YES >> GO TO 3.

NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

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?

## **B1428 SEAT BELT BUCKLE SWITCH LH**

< DTC/CIRCUIT DIAGNOSIS >				
YES >> GO TO 4. NO >> Replace the harness.	А			
4.CONFIRM DTC	~			
<ol> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> </ol>	В			
3. Check DTC.	С			
<u>Is DTC still current?</u> YES >> GO TO 5.	0			
NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	D			
5.SEAT BELT BUCKLE SWITCH LH	D			
<ul> <li>CONSULT</li> <li>Replace the seat belt buckle switch LH. Refer to <u>SB-8</u>, "SEAT BELT RETRACTOR : Removal and Instal- lation".</li> </ul>	Е			
<ol> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ol>	_			
Is DTC still current?	F			
YES >> GO TO 6. NO >> Clear DTC. Inspection End.				
6. AIR BAG DIAGNOSIS SENSOR UNIT	G			
CONSULT				
<ol> <li>Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ol>	SRC			
Is DTC still current?				
YES >> GO TO 7. NO >> Clear DTC. Inspection End.				
7.RELATED HARNESS	J			
Replace the related harness.				
>> Inspection End	К			
>> Inspection End.				
	L			
	M			
	Ν			
	0			
	Р			

## **B1429 SEAT BELT BUCKLE SWITCH RH**

## < DTC/CIRCUIT DIAGNOSIS >

# B1429 SEAT BELT BUCKLE SWITCH RH

## **DTC** Description

INFOID:000000012159706

## DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B1429	BUCKLE SW RH [OPEN]	13	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Seat belt buckle switch RH circuit is open. (terminal 10 and 20)
			Threshold	
			Diagnosis delay time	-
B1429	BUCKLE SW RH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Seat belt buckle switch RH circuit is open. (terminal 10 and 20)
			Threshold	_
			Diagnosis delay time	
B1429	BUCKLE SW RH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Seat belt buckle switch RH circuit is open. (terminal 10 and 20)
			Threshold	-
			Diagnosis delay time	-
B1429	BUCKLE SW RH [UNDEFINED]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Seat belt buckle switch RH circuit is open. (terminal 10 and 20)
			Threshold	—
			Diagnosis delay time	—

## POSSIBLE CAUSE

[OPEN]

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

#### [VB-SHORT]

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

#### [GND-SHORT]

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

#### [UNDEFINED]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt buckle switch RH
- · Internal malfunction of air bag diagnosis sensor unit

#### FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

# **B1429 SEAT BELT BUCKLE SWITCH RH**

DI423 SEAT BEET BOOKEE SWITCH KIT	
< DTC/CIRCUIT DIAGNOSIS >	
1.CHECK SELF DIAGNOSTIC RESULT	A
1. Turn ignition switch ON.	A
2. Check for DTC using CONSULT.	
Is the DTC detected?	В
YES (Current DTC)>> Refer to <u>SRC-109, "Diagnosis Procedure"</u> . YES (Past DTC)>> GO TO 2. NO >> Inspection End.	С
2. ERASE SELF DIAGNOSTIC RESULT	C
Erase the DTC using CONSULT.	
Can the DTC be erased?	D
YES >> Inspection End. NO >> Refer to <u>SRC-109, "Diagnosis Procedure"</u> .	E
DTC CONFIRMATION PROCEDURE (Without CONSULT)	
1.CHECK SELF DIAGNOSTIC RESULT	
<ol> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.</li> <li>NOTE:</li> </ol>	F
SRS will not enter diagnosis mode if no malfunction is detected in user mode. <u>Is the DTC detected?</u>	G
YES >> Refer to <u>SRC-109</u> , "Diagnosis Procedure".	
NO >> Inspection End.	SR
Diagnosis Procedure	
1. HARNESS CONNECTOR	I
<ul> <li>Visually inspect all applicable harness connectors for the following:</li> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>Poor connection</li> </ul>	J
<b>NOTE:</b> All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).	K
<u>Is the inspection result normal?</u> YES >> GO TO 2. NO >> Perform one of the following repairs:	L
<ul> <li>Visible damage: Replace the harness.</li> <li>Loose terminal: Secure the terminal.</li> <li>Poor connection: Secure the connection.</li> </ul>	M
2.confirm dtc	
<ol> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check for DTC using CONSULT.</li> </ol>	Ν
Is DTC still current?	0
YES >> GO TO 3.	0
NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	
3.WIRING HARNESS	Ρ
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.

# **B1429 SEAT BELT BUCKLE SWITCH RH**

< DTC/CIRCUIT DIAGNOSIS >

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 <u>GI-41, "Intermittent Incident"</u>.

**5.**SEAT BELT BUCKLE SWITCH RH

- Replace the seat belt buckle switch RH. Refer to <u>SB-8, "SEAT BELT RETRACTOR : Removal and Installation"</u>.
- 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 <u>SR-30, "Removal and Installation"</u>.

- 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.

>> Inspection End.

# **B1430 SEAT BELT PRE-TENSIONER**

#### < DTC/CIRCUIT DIAGNOSIS >

# **B1430 SEAT BELT PRE-TENSIONER**

# **DTC** Description

INFOID:000000012159708

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## DTC DETECTION LOGIC

DTC	CONSULT name		D	TC detecting condition
			Diagnosis condition	When ignition switch is ON.
	FRONT PRE-TEN LH CIRCUIT [OPEN]	13	Signal (terminal)	LH seat belt pre-tensioner circuit is open (shoul- der belt) (terminal 65 and 66).
			Threshold	-
			Diagnosis delay time	-
			Diagnosis condition	When ignition switch is ON.
	FRONT PRE-TEN LH CIRCUIT [VB-SHORT]	12	Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to a power supply circuit (shoulder belt) (terminal 65 and 66).
			Threshold	—
1420			Diagnosis delay time	—
B1430	FRONT PRE-TEN LH CIRCUIT [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to ground (shoulder belt) (shoulder belt) (terminal 65 and 66).
			Threshold	—
			Diagnosis delay time	-
			Diagnosis condition	When ignition switch is ON.
	FRONT PRE-TEN LH CIRCUIT	09	Signal (terminal)	LH seat belt pre-tensioner circuits are shorted to each other (shoulder belt) (terminal 65 and 66).
	[SHORT]		Threshold	-
			Diagnosis delay time	—

### POSSIBLE CAUSE

[OPEN]

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

#### [GND-SHORT]

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

#### [SHORT]

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

## FAIL-SAFE

# **B1430 SEAT BELT PRE-TENSIONER**

< DTC/CIRCUIT DIAGNOSIS >

#### DTC CONFIRMATION PROCEDURE (With CONSULT)

**1.**CHECK SELF DIAGNOSTIC RESULT

CONSULT

1. Turn ignition switch ON.

2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to <u>SRC-112, "Diagnosis Procedure"</u>. YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

**2.**ERASE SELF DIAGNOSTIC RESULT

CONSULT Erase DTC.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-112</u>, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

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

#### NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-112</u>, "Diagnosis Procedure".

NO >> Inspection End.

# Diagnosis Procedure

INFOID:000000012159709

# **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

- >> Perform one of the following repairs:
  - Visible damage: Replace the harness.
  - Loose terminal: Secure the terminal.
  - Poor connection: Secure the connection.

# 2.CONFIRM DTC

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

#### Is DTC still current?

YES >> GO TO 3.

NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

**3.**WIRING HARNESS

Check the wiring harness for visible damage. **NOTE:** 

# **B1430 SEAT BELT PRE-TENSIONER**

#### < DTC/CIRCUIT DIAGNOSIS >

	-
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).	t /
s the inspection result normal?	
YES >> GO TO 4.	
NO >> Replace the harness.	E
4.CONFIRM DTC	
(E) CONSULT	
1. Reconnect all harness connectors.	
<ol> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ol>	
Is DTC still current?	[
YES >> GO TO 5.	
NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	
5. AIR BAG DIAGNOSIS SENSOR UNIT	E
	-
<ul> <li>CONSULT</li> <li>Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.</li> </ul>	F
<ol> <li>Turn ignition switch ON.</li> </ol>	l
3. Check DTC.	
Is DTC still current?	(
YES >> GO TO 6.	
NO >> Clear DTC. Inspection End.	
6.SEAT BELT PRE-TENSIONER LH	SI
(E) CONSULT	-
1. Replace the seat belt pre-tensioner LH. Refer to <u>SB-8, "SEAT BELT RETRACTOR : Removal and Installa</u>	:
tion". 2. Turn ignition switch ON.	1
3. Check DTC.	
Is DTC still current?	
YES >> GO TO 7.	
NO >> Clear DTC. Inspection End.	
7.RELATED HARNESS	ŀ
Replace the related harness.	-
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>> Inspection End.	l
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# **B1431 SEAT BELT PRE-TENSIONER**

#### < DTC/CIRCUIT DIAGNOSIS >

# **B1431 SEAT BELT PRE-TENSIONER**

# **DTC** Description

INFOID:000000012159710

## DTC DETECTION LOGIC

DTC	CONSULT name		DTC detect	ting condition
	FRONT PRE-TEN RH [OPEN]	13	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	RH seat belt pre-tensioner circuit is open (shoulder belt) (terminal 21 and 22).
			Threshold	_
			Diagnosis delay time	_
	FRONT PRE-TEN RH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	RH seat belt pre-tensioner circuit is short- ed to a power supply circuit (shoulder belt) (terminal 21 and 22).
			Threshold	_
			Diagnosis delay time	_
B1431	FRONT PRE-TEN RH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	RH seat belt pre-tensioner circuit is short- ed to ground (shoulder belt) (terminal 21 and 22).
			Threshold	_
			Diagnosis delay time	_
		09	Diagnosis condition	When ignition switch is ON.
	FRONT PRE-TEN RH [SHORT]		Signal (terminal)	RH seat belt pre-tensioner circuits are shorted to each other (shoulder belt) (ter- minal 21 and 22).
			Threshold	_
			Diagnosis delay time	_

## POSSIBLE CAUSE

#### [OPEN]

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

#### [VB-SHORT]

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

#### [GND-SHORT]

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

## [SHORT]

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

FAIL-SAFE

## < DTC/CIRCUIT DIAGNOSIS >

DTC CONFIRMATION PROCEDURE (With CONSULT) <b>1.</b> CHECK SELF DIAGNOSTIC RESULT	А
CONSULT     Turn ignition switch ON.	В
<ul> <li>2. Check DTC.</li> <li><u>Is the DTC detected?</u></li> <li>YES (Current DTC)&gt;&gt; Refer to <u>SRC-115, "Diagnosis Procedure"</u>.</li> </ul>	С
YES (Past DTC)>> GO TO 2. NO >> Inspection End. 2.ERASE SELF DIAGNOSTIC RESULT	D
CONSULT Erase DTC. Can the DTC be erased?	E
YES >> Inspection End. NO >> Refer to <u>SRC-115, "Diagnosis Procedure"</u> .	F
DTC CONFIRMATION PROCEDURE (Without CONSULT)  1.CHECK SELF DIAGNOSTIC RESULT	G
SRS will not enter diagnosis mode if no malfunction is detected in user mode.	SR(
Is the DTC detected?         YES       >> Refer to SRC-115, "Diagnosis Procedure".         NO       >> Inspection End.	
Diagnosis Procedure INFOID:00000012159711	J
Visually inspect all applicable harness connectors for the following: • Visible damage to connector or terminal • Loose terminal	К
<ul> <li>Poor connection NOTE: All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including only in line connectors)</li> </ul>	L
(including any in-line connectors). <u>Is the inspection result normal?</u> YES >> GO TO 2.	Μ
<ul> <li>NO &gt;&gt; Perform one of the following repairs:</li> <li>Visible damage: Replace the harness.</li> <li>Loose terminal: Secure the terminal.</li> <li>Poor connection: Secure the connection.</li> </ul>	Ν
2.CONFIRM DTC	0
<ol> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> <li><u>IS DTC still current?</u></li> <li>YES &gt;&gt; GO TO 3.</li> <li>NO &gt;&gt; Refer to <u>GI-41, "Intermittent Incident"</u>.</li> </ol>	Ρ

**3.**WIRING HARNESS

# **B1431 SEAT BELT PRE-TENSIONER**

< DTC/CIRCUIT DIAGNOSIS >

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

#### CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

YES >> GO TO 5.

NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

#### 5.AIR BAG DIAGNOSIS SENSOR UNIT

#### (I) CONSULT

1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.

- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

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

#### CONSULT

- Replace the seat belt pre-tensioner RH. Refer to <u>SB-8, "SEAT BELT RETRACTOR : Removal and Instal-</u> lation".
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

#### **7.**RELATED HARNESS

Replace the related harness.

>> Inspection End.

# **B1432 LAP PRE-TENSIONER**

#### < DTC/CIRCUIT DIAGNOSIS >

# **B1432 LAP PRE-TENSIONER**

# **DTC Logic**

With CONSULT

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DTC	CONSULT name	DTC detecting condition			
	PRE-TEN FRONT RH 2 [OPEN]		Diagnosis condition	When ignition switch is ON.	
		13	Signal (terminal)	Front RH seat belt pre-tensioner (lap belt) (Terminal 51 and 52)	
			Threshold	-	
			Diagnosis delay time	-	
	PRE-TEN FRONT RH 2 [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON.	
			Signal (terminal)	Front RH seat belt pre-tensioner (lap belt) (Terminal 51 and 52)	
			Threshold	-	
			Diagnosis delay time	-	
		11	Diagnosis condition	When ignition switch is ON.	
B1432	PRE-TEN FRONT RH 2 [GND-SHORT]		Signal (terminal)	Front RH seat belt pre-tensioner (lap belt) (Terminal 51 and 52)	
			Threshold	-	
			Diagnosis delay time	-	
	PRE-TEN FRONT RH 2 [SHORT]	1A	Diagnosis condition	When ignition switch is ON.	
			Signal (terminal)	Front RH seat belt pre-tensioner (lap belt) (Terminal 51 and 52)	
			Threshold	-	
			Diagnosis delay time	-	
		09	Diagnosis condition	When ignition switch is ON.	
	PRE-TEN FRONT RH 2 [SHORT]		Signal (terminal)	Front RH seat belt pre-tensioner (lap belt) (Terminal 51 and 52)	
			Threshold	_	
			Diagnosis delay time	_	

- 1. Turn ignition switch ON.
- 2. Select "Self Diagnostic Result"" AIR BAG"
- 3. Check DTC.

#### Is the DTC detected?

- YES (Current DTC)>>Refer to SRC-118, "Diagnosis Procedure". YES (Past DTC)>>GO TO 2.
- NO >> Inspection End.
- 2. ERASE SELF DIAGNOSTIC RESULT

#### Erase DTC.

#### Can the DTC be erased?

- YES >> Inspection End.
- NO >> Refer to <u>SRC-118</u>, "Diagnosis Procedure".
- DTC CONFIRMATION PROCEDURE (Without CONSULT)

# **B1432 LAP PRE-TENSIONER**

#### < DTC/CIRCUIT DIAGNOSIS >

# 1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.

#### NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-118. "Diagnosis Procedure"</u>.

NO >> Inspection End.

# Diagnosis Procedure

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

#### NOTE:

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

Is the inspection result normal?

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

# 2.CONFIRM DTC

#### CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- Check DTC.

#### Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-41, "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

#### CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

**5.** AIR BAG DIAGNOSIS SENSOR UNIT

#### () CONSULT

- 1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.

INFOID:000000012248913

# **B1432 LAP PRE-TENSIONER**

< DTC/CIRCUIT DIAGNOSIS >	
3. Check DTC.	
Is DTC still current?	А
YES >> GO TO 6.	
NO >> Clear DTC. Inspection End.	
6.LAP PRE-TENSIONER LH	В
<ul> <li>CONSULT</li> <li>Replace the lap pre-tensioner LH. Refer to <u>SB-8, "SEAT BELT RETRACTOR : Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	С
Is DTC still current?	D
YES >> GO TO 7. NO >> Clear DTC. Inspection End.	D
7.RELATED HARNESS	Ε
Replace the related harness.	
>> Inspection End	F

>> Inspection End.

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#### < DTC/CIRCUIT DIAGNOSIS >

# B1433 LAP PRE-TENSIONER

# **DTC Description**

INFOID:000000012159712

## DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B1433	PRE-TEN FRONT RH 2 [OPEN]	13	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front RH seat belt pre-tensioner (lap belt) (Terminal 1 and 2)
			Threshold	—
			Diagnosis delay time	_
	PRE-TEN FRONT RH 2 [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front RH seat belt pre-tensioner (lap belt) (Terminal 1 and 2)
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT RH 2 [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front RH seat belt pre-tensioner (lap belt) (Terminal 1 and 2)
			Threshold	
			Diagnosis delay time	
		1A	Diagnosis condition	When ignition switch is ON.
	PRE-TEN FRONT RH 2 [SHORT]		Signal (terminal)	Front RH seat belt pre-tensioner (lap belt) (Terminal 1 and 2)
			Threshold	_
			Diagnosis delay time	

#### POSSIBLE CAUSE

#### [OPEN]

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

#### [VB-SHORT]

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

#### [GND-SHORT]

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

#### [SHORT]

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

#### FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

# **B1433 LAP PRE-TENSIONER**

1.CHECK SELF DIAGNOSTIC RESULT	А
<ul> <li>CONSULT</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	В
Is the DTC detected?	D
YES (Current DTC)>> Refer to <u>SRC-121, "Diagnosis Procedure"</u> . YES (Past DTC)>> GO TO 2. NO >> Inspection End.	С
2. ERASE SELF DIAGNOSTIC RESULT	
CONSULT     Erase DTC.	D
Can the DTC be erased?	Е
YES >> Inspection End. NO >> Refer to <u>SRC-121, "Diagnosis Procedure"</u> .	
DTC CONFIRMATION PROCEDURE (Without CONSULT)	F
1. CHECK SELF DIAGNOSTIC RESULT	
<ol> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.</li> </ol>	G
NOTE: SRS will not enter diagnosis mode if no malfunction is detected in user mode.	
Is the DTC detected?	SRO
YES >> Refer to <u>SRC-121, "Diagnosis Procedure"</u> . NO >> Inspection End.	
Diagnosis Procedure	I
1.HARNESS CONNECTOR	I
	0
Visually inspect all applicable harness connectors for the following: <ul> <li>Visible damage to connector or terminal</li> </ul>	
<ul> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>Poor connection</li> </ul>	K
<ul> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>Poor connection NOTE: All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component</li> </ul>	
<ul> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>Poor connection NOTE:</li> </ul>	K
<ul> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>Poor connection <b>NOTE:</b> All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors). </li> </ul>	
<ul> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>Poor connection         <b>NOTE:</b>         All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).     </li> <li>Is the inspection result normal?         YES &gt;&gt; GO TO 2.         NO &gt;&gt; Perform one of the following repairs:             <ul> <li>Visible damage: Replace the harness.</li> <li>Loose terminal: Secure the terminal.</li> <li>Poor connection: Secure the connection.</li> </ul> </li> </ul>	L
<ul> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>Poor connection         <b>NOTE:</b>         All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).     </li> <li>Is the inspection result normal?         YES &gt;&gt; GO TO 2.         NO &gt;&gt; Perform one of the following repairs:             <ul> <li>Visible damage: Replace the harness.</li> <li>Loose terminal: Secure the terminal.</li> </ul> </li> </ul>	L
<ul> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>Poor connection         <b>NOTE:</b>         All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).     </li> <li>Is the inspection result normal?         YES &gt;&gt; GO TO 2.         NO &gt;&gt; Perform one of the following repairs:             <ul> <li>Visible damage: Replace the harness.</li> <li>Loose terminal: Secure the terminal.</li> <li>Poor connection: Secure the connection.</li> </ul> </li> </ul>	L
<ul> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>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 &gt;&gt; GO TO 2. NO &gt;&gt; Perform one of the following repairs: <ul> <li>Visible damage: Replace the harness.</li> <li>Loose terminal: Secure the terminal.</li> <li>Poor connection: Secure the connection.</li> </ul> </li> <li>2.CONFIRM DTC </li> <li>CONSULT <ul> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> <li>DTC still current?</li> </ul> </li> </ul>	L M N
<ul> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>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).</li> <li>Is the inspection result normal? YES &gt;&gt; GO TO 2. NO &gt;&gt; Perform one of the following repairs: <ul> <li>Visible damage: Replace the harness.</li> <li>Loose terminal: Secure the terminal.</li> <li>Poor connection: Secure the connection.</li> </ul> </li> <li>2.CONFIRM DTC </li> <li>CONSULT <ul> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul> </li> </ul>	L M N

Check the wiring harness for visible damage. **NOTE:** 

# **B1433 LAP PRE-TENSIONER**

#### < DTC/CIRCUIT DIAGNOSIS >

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

#### CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

- YES >> GO TO 5.
- NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

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

#### CONSULT

- 1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

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

#### **6.**LAP PRE-TENSIONER RH

#### CONSULT

- 1. Replace the lap pre-tensioner RH. Refer to <u>SB-8, "SEAT BELT RETRACTOR : Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

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

## 7.RELATED HARNESS

Replace the related harness.

>> Inspection End.

# **B1436 ACTIVE VENT**

# < DTC/CIRCUIT DIAGNOSIS >

# B1436 ACTIVE VENT

# **DTC Description**

# DTC DETECTION LOGIC

DTC	CONSULT name		DTC detectin	g condition
			Diagnosis condition	When ignition switch is ON.
	ACTIVE VENT [OPEN]	13	Signal (terminal)	Active vent circuit (Terminal 43 and 33)
			Threshold	—
			Diagnosis delay time	—
			Diagnosis condition	When ignition switch is ON.
		12	Signal (terminal)	Active vent circuit (Terminal 43 and 33)
B1436	[VB-SHORT]		Threshold	—
			Diagnosis delay time	-
	ACTIVE VENT [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Active vent circuit (Terminal 43 and 33)
			Threshold	—
			Diagnosis delay time	—
			Diagnosis condition	When ignition switch is ON.
		09	Signal (terminal)	Active vent circuit (Terminal 43 and 33)
	[SHORT]		Threshold	-
			Diagnosis delay time	—

# POSSIBLE CAUSE

[OPEN] <ul> <li>Connection malfunction or open circuit of harness and connector</li> </ul>	K
<ul> <li>Internal malfunction of passenger air bag module (active vent)</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	L
<ul> <li>[VB-SHORT]</li> <li>Connection malfunction or short circuit to power supply of harness and connector</li> <li>Internal malfunction of passenger air bag module (active vent)</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	Μ
[GND-SHORT]	Ν
<ul> <li>Connection malfunction or short circuit to ground of harness and connector</li> <li>Internal malfunction of passenger air bag module (active vent)</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	0
<ul> <li>[SHORT]</li> <li>Connection malfunction or short circuit of harness and connector</li> <li>Internal malfunction of passenger air bag module (active vent)</li> <li>Internal malfunction of air bag diagnosis sensor unit</li> </ul>	Ρ
FAIL-SAFE	

DTC CONFIRMATION PROCEDURE (With CONSULT)

А

В

INFOID:000000012159716

# **B1436 ACTIVE VENT**

#### < DTC/CIRCUIT DIAGNOSIS >

# 1. CHECK SELF DIAGNOSTIC RESULT

#### CONSULT

- 1. Turn ignition switch ON.
- 2. Check DTC.

#### Is the DTC detected?

YES (Current DTC)>> Refer to <u>SRC-124, "Diagnosis Procedure"</u>.

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

**2.** ERASE SELF DIAGNOSTIC RESULT

# 

Erase DTC.

#### Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-124</u>, "Diagnosis Procedure".

## DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to SRC-15. "SRS Operation Check".

#### NOTE:

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

#### Is the DTC detected?

YES >> Refer to <u>SRC-124</u>, "Diagnosis Procedure".

NO >> Inspection End.

# Diagnosis Procedure

INFOID:000000012159717

# **1**.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

#### NOTE:

NO

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.

- >> Perform one of the following repairs:
  - Visible damage: Replace the harness.
  - · Loose terminal: Secure the terminal.
  - Poor connection: Secure the connection.

# 2. CONFIRM DTC

#### CONSULT

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.
- 3. Check DTC.

#### Is DTC still current?

YES >> GO TO 3.

NO >> Refer to <u>GI-41, "Intermittent Incident"</u>.

```
3.WIRING HARNESS
```

Check the wiring harness for visible damage. **NOTE:** 

# **B1436 ACTIVE VENT**

## < DTC/CIRCUIT DIAGNOSIS >

The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).	А
Is the inspection result normal?	
YES >> GO TO 4.	_
NO >> Replace the harness.	В
4.CONFIRM DTC	
<ul> <li>CONSULT</li> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> </ul>	С
3. Check DTC.	
Is DTC still current?	D
YES >> GO TO 5. NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	E
5. AIR BAG DIAGNOSIS SENSOR UNIT	
<ul> <li>CONSULT</li> <li>Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	F
<u>Is DTC still current?</u>	C
YES >> GO TO 6. NO >> Clear DTC. Inspection End.	G
	SRC
	0110
<ul> <li>CONSULT</li> <li>Replace the front passenger air bag module. Refer to <u>SR-19, "Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	I
Is DTC still current?	
YES >> GO TO 7. NO >> Clear DTC. Inspection End.	J
7.RELATED HARNESS	
Replace the related harness.	K
>> Inspection End.	L
	Μ
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## < DTC/CIRCUIT DIAGNOSIS >

# B142A IGNITION VOLTAGE

# **DTC** Description

INFOID:000000012159718

# DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition				
			Diagnosis condition	When ignition switch is ON.			
B142A —	IGN VOLTAGE [VB-LOW]	00	Signal (terminal)	Ignition voltage low at air bag diagnosis sensor unit.			
			Threshold	—			
			Diagnosis delay time	—			
	IGN VOLTAGE [VB-HIGH] 00		Diagnosis condition	When ignition switch is ON.			
		00	Signal (terminal)	Ignition voltage high at air bag diagnosis sen- sor unit.			
			Threshold	—			
			Diagnosis delay time	—			

## POSSIBLE CAUSE

#### [VB-LOW]

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

#### [VB-HIGH]

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

FAIL-SAFE

# DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

## CONSULT

- Turn ignition switch ON.
- 2. Check DTC.

#### Is the DTC detected?

YES (Current DTC)>> Refer to <u>SRC-127</u>, "Diagnosis Procedure".

YES (Past DTC)>> GO TO 2.

- NO >> Inspection End.
- 2.ERASE SELF DIAGNOSTIC RESULT

#### CONSULT Erase DTC.

## Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-127, "Diagnosis Procedure"</u>.

## DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

# **B142A IGNITION VOLTAGE**

< DTC/CIRCUIT DIAGNOSIS >	
<ol> <li>Turn ignition switch ON.</li> <li>Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.</li> <li>NOTE:</li> </ol>	А
SRS will not enter diagnosis mode if no malfunction is detected in user mode.	
Is the DTC detected?	В
YES >> Refer to <u>SRC-127, "Diagnosis Procedure"</u> . NO >> Inspection End.	
Diagnosis Procedure	С
1.HARNESS CONNECTOR	
	D
<ul> <li>Visually inspect all applicable harness connectors for the following:</li> <li>Visible damage to connector or terminal</li> <li>Loose terminal</li> <li>Poor connection NOTE:</li> </ul>	E
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in line connectors)	
(including any in-line connectors). <u>Is the inspection result normal?</u>	F
YES >> GO TO 2.	
<ul> <li>NO &gt;&gt; Perform one of the following repairs:</li> <li>Visible damage: Replace the harness.</li> </ul>	G
Loose terminal: Secure the terminal.	
Poor connection: Secure the connection.	SRC
2.CONFIRM DTC	
<ul> <li>CONSULT</li> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	I
Is DTC still current?	J
YES >> GO TO 3. NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	
3. WIRING HARNESS	К
Check the wiring harness for visible damage.	1.
NOTE:	I
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).	L
Is the inspection result normal?	
YES >> GO TO 4. NO >> Replace the harness.	Μ
4.CONFIRM DTC	
	Ν
1. Reconnect all harness connectors.	
<ol> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ol>	0
Is DTC still current?	
YES >> GO TO 5.	Р
NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	Γ
5. AIR BAG DIAGNOSIS SENSOR UNIT	
<ul> <li>CONSULT</li> <li>Replace the air bag diagnosis sensor unit. Refer to <u>SR-30. "Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> <li>Check DTC.</li> </ul>	

Is DTC still current?

# **B142A IGNITION VOLTAGE**

< DTC/CIRCUIT DIAGNOSIS >

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

Replace the related harness.

>> Inspection End.

# **B1427 CONFIG SETTING**

## < DTC/CIRCUIT DIAGNOSIS >

# **B1427 CONFIG SETTING**

# **DTC** Description

INFOID:000000012159720

INFOID:000000012159721

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#### DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition			
			Diagnosis condition	When ignition switch is ON.	С	
B1427	ECU SETTING	55	Signal (terminal)	-		
D1427	(Configuration setting)	55	Threshold	-		
			Diagnosis delay time	-	U	

#### POSSIBLE CAUSE

When air bag diagnosis unit is replaced.

#### FAIL-SAFE

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Diagnosis Procedure		
4		

# 1.PERFORM CONFIGURATION

Perform configuration for air bag diagnosis sensor unit.

>> Refer to <u>SRC-39, "CONFIGURATION : Work Procedure"</u>.

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# B1400, B1401, B1402, B1403, B1404, B1405 AIR BAG DIAGNOSIS SENSOR UNIT

## < DTC/CIRCUIT DIAGNOSIS >

# B1400, B1401, B1402, B1403, B1404, B1405 AIR BAG DIAGNOSIS SEN-SOR UNIT

# **DTC Description**

INFOID:000000012159722

# DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition				
			Diagnosis condition	When ignition switch is ON.		
B1400	CONTROL UNIT	00	Signal (terminal)	-		
B1400	[UNIT MALFUNC]	00	Threshold	-		
			Diagnosis delay time	-		
			Diagnosis condition	When ignition switch is ON.		
B1401	CONTROL UNIT	00	Signal (terminal)	-		
D1401	[UNIT MALFUNC]	00	Threshold	-		
			Diagnosis delay time			
			Diagnosis condition	When ignition switch is ON.		
B1402	CONTROL UNIT [UNIT MALFUNC]	00	Signal (terminal)			
D 1402			Threshold	-		
			Diagnosis delay time	-		
	CONTROL UNIT [UNIT MALFUNC]		Diagnosis condition	When ignition switch is ON.		
B1403		00	Signal (terminal)	-		
D1403			Threshold	-		
			Diagnosis delay time	-		
			Diagnosis condition	When ignition switch is ON.		
B1404	CONTROL UNIT	00	Signal (terminal)	-		
D1404	[UNIT MALFUNC]	00	Threshold	-		
			Diagnosis delay time	-		
			Diagnosis condition	When ignition switch is ON.		
B1405	CONTROL UNIT	00	Signal (terminal)	-		
01400	[UNIT MALFUNC]		Threshold	-		
			Diagnosis delay time			

## POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

# DTC CONFIRMATION PROCEDURE

1. CHECK SELF DIAGNOSTIC RESULT

#### CONSULT

- Turn ignition switch ON.
- 2. Select "Self Diagnostic Result" mode of "AIR BAG".
- **©** CONSULT
- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.

#### NOTE:

SRS does not enter the diagnosis mode if no malfunction is detected in the user mode. Is malfunctioning part detected?

Revision: October 2015

# SRC-130

# B1400, B1401, B1402, B1403, B1404, B1405 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >	
<ul> <li>YES &gt;&gt; Refer to <u>SRC-131. "Diagnosis Procedure"</u>.</li> <li>NO-1 &gt;&gt; To check malfunction symptom before repair: Refer to <u>GI-41, "Intermittent Incident"</u>.</li> <li>NO-2 &gt;&gt; Confirmation after repair: Inspection End.</li> </ul>	A
Diagnosis Procedure	000000012159723
<ul> <li>WARNING:</li> <li>Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait a minutes or more (to discharge backup capacitor).</li> <li>Never use an unspecified tester or other measuring device.</li> </ul>	B It least 3 C
1.CHECK HARNESS CONNECTOR	_
Check the harness connector for disconnection, looseness or damage. Is the inspection result normal?	D
YES >> GO TO 2. NO–1 >> Damage: Replace malfunctioning harness and connector. NO–2 >> Disconnection or looseness: Securely lock the connector.	E
2.CHECK WIRING HARNESS	F
Check the wiring harness externals.	
Is the inspection result normal?         YES       >> GO TO 3.         NO       >> Replace malfunctioning harness and connector.	G
3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	SR
<ol> <li>Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-130, "DTC Description"</u>.</li> </ol>	
Is DTC detected?	
YES >> GO TO 1. NO >> Inspection End.	
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# B1406, B1407, B1408, B1409, B1410 AIR BAG DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS >

# B1406, B1407, B1408, B1409, B1410 AIR BAG DIAGNOSIS SENSOR UNIT

# **DTC Description**

INFOID:000000012159724

# DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition				
			Diagnosis condition	When ignition switch is ON.		
B1406	CONTROL UNIT	00	Signal (terminal)	-		
B1400	[UNIT MALFUNC]	00	Threshold	-		
			Diagnosis delay time	-		
			Diagnosis condition	When ignition switch is ON.		
B1407	CONTROL UNIT	00	Signal (terminal)	-		
B1407	[UNIT MALFUNC]	00	Threshold	-		
			Diagnosis delay time	-		
		00	Diagnosis condition	When ignition switch is ON.		
B1408	CONTROL UNIT [UNIT MALFUNC]		Signal (terminal)	-		
B1400			Threshold	-		
			Diagnosis delay time	-		
				Diagnosis condition	When ignition switch is ON.	
B1409	CONTROL UNIT	00	Signal (terminal)	-		
Б1409	[UNIT MALFUNC]	00	Threshold	-		
			Diagnosis delay time	-		
			Diagnosis condition	When ignition switch is ON.		
B1410	CONTROL UNIT	00	Signal (terminal)	-		
D 14 IV	[UNIT MALFUNC]	T MALFUNC]	Threshold	-		
			Diagnosis delay time	_		

## POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

## DTC CONFIRMATION PROCEDURE

1. CHECK SELF DIAGNOSIS RESULT

#### CONSULT

- 1. Turn ignition switch ON.
- 2. Select "Self Diagnostic Result" mode of "AIR BAG".
- CONSULT
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-15, "SRS Operation Check"</u>.

#### NOTE:

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

Is malfunctioning part detected?

YES >> Refer to <u>SRC-133</u>, "Diagnosis Procedure".

NO-1 >> To check malfunction symptom before repair: Refer to GI-41, "Intermittent Incident".

NO-2 >> Confirmation after repair: Inspection End.

# B1406, B1407, B1408, B1409, B1410 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

#### **Diagnosis** Procedure INFOID:000000012159725 А WARNING: · Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more (to discharge backup capacitor). В • Never use an unspecified tester or other measuring device. 1 .CHECK HARNESS CONNECTOR Check the harness connector for disconnection, looseness or damage. Is the inspection result normal? >> GO TO 2. YES D NO-1 >> Damage: Replace malfunctioning harness and connector. NO-2 >> Disconnection or looseness: Securely lock the connector. 2. CHECK WIRING HARNESS Ε Check the wiring harness externals. Is the inspection result normal? YES >> GO TO 3. F NO >> Replace malfunctioning harness and connector. $\mathbf{3}.$ Replace air bag diagnosis sensor unit 1. Replace air bag diagnosis sensor unit. Refer to SR-30, "Removal and Installation". 2. Perform DTC confirmation procedure. Refer to SRC-132, "DTC Description". Is DTC detected? SRC >> GO TO 1. YES NO >> Inspection End.

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# B1411, B1412, B1413, B1414, B1415 AIR BAG DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS >

# B1411, B1412, B1413, B1414, B1415 AIR BAG DIAGNOSIS SENSOR UNIT

# **DTC** Description

INFOID:000000012159726

# DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition			
	CONTROL UNIT		Diagnosis condition	When ignition switch is ON.	
B1411		00	Signal (terminal)	_	
01411	[UNIT MALFUNC]	00	Threshold	_	
			Diagnosis delay time	_	
			Diagnosis condition	When ignition switch is ON.	
B1412	CONTROL UNIT [UNIT MALFUNC]	00	Signal (terminal)	_	
D1412		00	Threshold	_	
			Diagnosis delay time	-	
	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.	
B1413			Signal (terminal)	_	
01415			Threshold	_	
			Diagnosis delay time	—	
	CONTROL UNIT	00	Diagnosis condition	When ignition switch is ON.	
B1414			Signal (terminal)	_	
01414	[UNIT MALFUNC]		Threshold	_	
			Diagnosis delay time	_	
			Diagnosis condition	When ignition switch is ON.	
B1415	CONTROL UNIT	00	Signal (terminal)	_	
01410	[UNIT MALFUNC]		Threshold	—	
			Diagnosis delay time	—	

## POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

## DTC CONFIRMATION PROCEDURE

# 1. CHECK SELF DIAGNOSTIC RESULT

#### (I) CONSULT

- 1. Turn ignition switch ON.
- 2. Select "Self Diagnostic Result" of "AIR BAG".
- CONSULT
- Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-15. "SRS Operation Check"</u>.

#### NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-134</u>, "Diagnosis Procedure".
- NO-1 >> To check malfunction symptom before repair: Refer to GI-41, "Intermittent Incident".
- NO-2 >> Confirmation after repair: Inspection End.

**Diagnosis** Procedure

#### WARNING:

INFOID:000000012159727

# B1411, B1412, B1413, B1414, B1415 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

<ul> <li>Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more (to discharge backup capacitor).</li> <li>Never use unspecified tester or other measuring device.</li> </ul>	А
1. CHECK HARNESS CONNECTOR	
Check the harness connector for disconnection, looseness or damage.	В
Is the inspection result normal?	
YES >> GO TO 2.	C
<ul> <li>NO–1 &gt;&gt; Damage: Replace malfunctioning harness and connector.</li> <li>NO–2 &gt;&gt; Disconnection or looseness: Securely lock the connector.</li> </ul>	C
2. CHECK WIRING HARNESS	D
Check the wiring harness externals.	
Is the inspection result normal?	
YES >> GO TO 3.	E
NO >> Replace malfunctioning harness and connector.	
<b>3.</b> REPLACE AIR BAG DIAGNOSIS SENSOR UNIT	_
<ol> <li>Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.</li> <li>Perform DTC confirmation procedure. Refer to <u>SRC-134, "DTC Description"</u>.</li> </ol>	F
Is DTC detected?	G
YES >> GO TO 1.	)
NO >> Inspection End.	

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# B1416, B1417, B1418, B1419, B1420 AIR BAG DIAGNOSIS SENSOR UNIT < DTC/CIRCUIT DIAGNOSIS >

# B1416, B1417, B1418, B1419, B1420 AIR BAG DIAGNOSIS SENSOR UNIT

# **DTC Description**

INFOID:000000012159728

# DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition				
			Diagnosis condition	When ignition switch is ON.		
B1416	CONTROL UNIT	00	Signal (terminal)	Air bag control unit internal trouble, EEPROM		
D1410	[UNIT MALFUNC]	00	Threshold	-		
			Diagnosis delay time	-		
			Diagnosis condition	When ignition switch is ON.		
B1417	CONTROL UNIT	00	Signal (terminal)	Air bag control unit internal trouble, Algorithm		
D1417	[UNIT MALFUNC]	00	Threshold	—		
			Diagnosis delay time	—		
			Diagnosis condition	When ignition switch is ON.		
B1418	CONTROL UNIT [UNIT MALFUNC]	00	Signal (terminal)	Air bag control unit internal trouble, Configuration		
D1410			Threshold	-		
			Diagnosis delay time	—		
			Diagnosis condition	When ignition switch is ON.		
B1419	CONTROL UNIT [UNIT MALFUNC]	00	Signal (terminal)	Air bag control unit internal trouble, other component		
D1419			Threshold	-		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
54400	CONTROL UNIT	00	Signal (terminal)	Air bag control unit internal trouble, other component		
B1420	[UNIT MALFUNC]		Threshold	—		
			Diagnosis delay time	—		

## POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

## DTC CONFIRMATION PROCEDURE

1. CHECK SELF DIAGNOSTIC RESULT

#### () CONSULT

1. Turn ignition switch ON.

- 2. Select "Self Diagnostic Result" mode of "AIR BAG".
- **CONSULT**
- 1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to SRC-15. "SRS Operation Check".

#### NOTE:

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

Is malfunctioning part detected?

YES >> Refer to <u>SRC-137</u>, "Diagnosis Procedure".

NO-1 >> To check malfunction symptom before repair: Refer to GI-41, "Intermittent Incident".

NO-2 >> Confirmation after repair: Inspection End.

# B1416, B1417, B1418, B1419, B1420 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

NO

1.

2.

YES

NO

Is DTC detected?

>> GO TO 1.

>> Inspection End.

#### **Diagnosis** Procedure INFOID:000000012159729 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 an unspecified tester or other measuring device. 1 .CHECK HARNESS CONNECTOR Check the harness connector for disconnection, looseness or damage. Is the inspection result normal? >> GO TO 2. YES NO-1 >> Damage: Replace malfunctioning harness and connector. NO-2 >> Disconnection or looseness: Securely lock the connector. 2. CHECK WIRING HARNESS Check the wiring harness externals. Is the inspection result normal? YES >> GO TO 3.

Replace air bag diagnosis sensor unit. Refer to SR-30, "Removal and Installation".

Perform DTC confirmation procedure. Refer to SRC-136, "DTC Description".

>> Replace malfunctioning harness and connector.

 $\mathbf{3}.$ Replace air bag diagnosis sensor unit

Revision: October 2015

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# **B142X COLLISION DETECTION**

#### < DTC/CIRCUIT DIAGNOSIS >

# B142X COLLISION DETECTION

# **DTC Description**

INFOID:000000012159730

## DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition			
			Diagnosis condition	When ignition switch is ON.	
B1421	FRONTAL COLLISION DETECTION	00	Signal (terminal)	-	
D1421	FRONTAL COLLISION DETECTION	00	Threshold	—	
			Diagnosis delay time	-	
			Diagnosis condition	When ignition switch is ON.	
B1422	SIDE COLLISION DETECTION	00	Signal (terminal)	-	
B1422	SIDE COLLISION DE LECTION	00	Threshold	-	
			Diagnosis delay time	—	
	ROLLOVER DETECTION		Diagnosis condition	When ignition switch is ON.	
B1423		00	Signal (terminal)	—	
B1423			Threshold	—	
			Diagnosis delay time	—	
			Diagnosis condition	When ignition switch is ON.	
D / /05		00	Signal (terminal)	—	
B1425	REAR COLLISION	00	Threshold	—	
			Diagnosis delay time	-	

## POSSIBLE CAUSE

[B1421-00]

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

#### [B1422-00]

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

#### [B1423-00]

- B1423–Malfunction of side-related parts
- · Internal malfunction of air bag diagnosis sensor unit

#### [B1425-00]

- B1425–Malfunction of rear-related parts
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

**1.**INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF DIAGNOSTIC RESULT

Check for the DTC on CONSULT.

Revision: October 2015

# **B142X COLLISION DETECTION**

< DTC/CIRCUIT DIAGNOSIS >		
Is the DTC detected?		
YES >> Refer to <u>SRC-139, "Diagnosis Procedure"</u> . NO >> Inspection End.		А
Diagnosis Procedure	INFOID:000000012159731	В
Refer to SR-5, "For Frontal Collision" or SR-7, "For Side and Rollover Collision".		
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# **B14XX AIR BAG DIAGNOSIS SENSOR UNIT**

< DTC/CIRCUIT DIAGNOSIS >

# **B14XX AIR BAG DIAGNOSIS SENSOR UNIT**

# **DTC Description**

INFOID:000000012159732

## DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition	
B14XX	AIRBAG DISPOSAL COMPLETION	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	Air bag diagnosis sensor unit is malfunctioning.
		Threshold	—
		Diagnosis delay time	-
B1426	AIRBAG DISPOSAL DE- TECT	Diagnosis condition	When ignition is ON.
		Signal (terminal)	Air bag diagnosis sensor unit is malfunctioning.
		Threshold	-
		Diagnosis delay time	—

#### POSSIBLE CAUSE

· Air bag module has been deployed

· Internal malfunction of air bag diagnosis sensor unit

## FAIL-SAFE

# DTC CONFIRMATION PROCEDURE (With CONSULT)

**1**.CHECK SELF DIAGNOSIS RESULT

CONSULT

- Turn ignition switch ON.
- 2. Check DTC.

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-141, "Diagnosis Procedure".

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2.ERASE SELF DIAGNOSIS RESULT

## CONSULT

Erase DTC.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-141, "Diagnosis Procedure"</u>.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

# 1. CHECK SELF DIAGNOSIS RESULT

1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to <u>SRC-15. "SRS Operation Check"</u>.

#### NOTE:

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

#### Is the DTC detected?

YES >> Refer to <u>SRC-141, "Diagnosis Procedure"</u>.

NO >> Inspection End.

# **B14XX AIR BAG DIAGNOSIS SENSOR UNIT**

< DTC/CIRCUIT DIAGNOSIS >

< DTC/CIRCUIT DIAGNOSIS > Diagnosis Procedure	0733
1. HARNESS CONNECTOR	5700
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 compone (including any in-line connectors).	nt
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	
<ol> <li>Reconnect all harness connectors.</li> <li>Turn ignition switch ON.</li> </ol>	
3. Check DTC.	
Is DTC still current?	I
YES >> GO TO 3.	
NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	
3.WIRING HARNESS	
Check the wiring harness for visible damage. <b>NOTE:</b>	
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component	ent
(including any in-line connectors).	
Is the inspection result normal?	
YES >> GO TO 4. NO >> Replace the harness.	
NO >> Replace the harness. 4.CONFIRM DTC	
<ul> <li>CONSULT</li> <li>Reconnect all harness connectors.</li> </ul>	
2. Turn ignition switch ON.	
3. Check DTC.	
Is DTC still current?	
YES >> GO TO 5.	
NO >> Refer to <u>GI-41, "Intermittent Incident"</u> .	
5.AIR BAG DIAGNOSIS SENSOR UNIT	
CONSULT     Benlace the air has diagnosis senser unit. Befor to SP 30. "Removal and Installation"	
<ol> <li>Replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.</li> <li>Turn ignition switch ON.</li> </ol>	
3. Check DTC.	
Is DTC still current?	
YES >> GO TO 6.	
NO >> Clear DTC. Inspection End.	
6.RELATED HARNESS	

Replace the related harness.

>> Inspection End.

# 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:000000012159734

**1.**CHECK METER FUSE

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

Is the fuse blown?

YES >> GO TO 2. NO >> GO TO 3.

2.REPLACE METER FUSE AND CHECK AGAIN

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

Does the fuse blow again?

YES >> Replace fuse and harness.

NO >> Inspection End.

 $\mathbf{3}.$  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 <u>SR-30, "Removal and Installation"</u>.

NO >> Replace the combination meter. Refer to <u>MWI-68, "Removal and Installation"</u>.

	SRS AIR BAG WARNING LAMP DOES NOT TURN OFF	
< SYMPTO	DM DIAGNOSIS >	
SRS AI	R BAG WARNING LAMP DOES NOT TURN OFF	
Air Bag \	Narning Lamp Does Not Turn Off	INFOID:000000012159735
1.снеск	CONDITION OF AIR BAG MODULE	
•	any deployed air bag modules or seat belt pre-tensioners.	
-	bag modules or seat belt pre-tensioners deployed?	
	Refer to <u>SR-5</u> , "For Frontal Collision" or <u>SR-7</u> , "For Side and Rollover Collision".	
-	THE AIR BAG FUSE	
	fuse [No. 32, located in the fuse block (J/B)].	
Is the fuse		
-	> GO TO 3.	
	> GO TO 4.	
<b>3.</b> снеск	AIR BAG FUSE AGAIN	
•	A fuse [No. 32, located in the fuse block (J/B)] and turn ignition switch ON.	
	use blow again?	
	Replace fuse and harness.	
4		
	AIR BAG DIAGNOSIS SENSOR UNIT	
Connect C		
	<u>G" displayed on CONSULT?</u>	
-	> GO TO 5. > Visually inspect the air bag diagnosis sensor unit harness connections. If the conn	ections are OK
	replace the air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation</u>	
5.снеск	HARNESS CONNECTION	—
Check for I	oose connections between the combination meter and the air bag diagnosis sensor	unit.
Are there a	iny loose connections?	
	Properly connect the combination meter and air bag diagnosis sensor unit harnes air bag warning lamp still does not turn off, replace the wiring harness.	
NO >:	Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>	

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< SYMPTOM DIAGNOSIS >

# SEAT BELT WARNING SYSTEM

# Seat Belt Warning System Does Not Function

INFOID:000000012159736

## **1**.SEAT BELT WARNING LIGHT

# Turn ignition switch ON.

#### Does the seat belt warning lamp come ON?

#### YES >> GO TO 2.

NO

NO

- >> Check 10A fuse [No. 13, located in the fuse block (J/B)].
  - Check seat belt buckle switch LH.
  - · Check harness between combination meter and seat belt buckle switch LH.
  - Check combination meter. Refer to <u>MWI-28, "Fail-safe"</u>.

# 2.SEAT BELT BUCKLE LH

Fasten the seat belt buckle LH.

#### Does the seat belt warning lamp go OFF?

YES >> GO TO 3.

- NO >> Check seat belt buckle switch LH.
  - · Check harness between combination meter and seat belt buckle switch LH.

# **3**. OCCUPANT CLASSIFICATION SYSTEM

#### Have a helper sit in the passenger seat.

Does the seat belt warning lamp go ON?

- YES >> GO TO 4.
  - >> Check occupant classification system. Refer to <u>SRC-12, "OCCUPANT CLASSIFICATION SYS-TEM : System Description"</u>.
    - Check harness between occupant classification control unit and air bag diagnosis sensor unit.

# **4.**SEAT BELT BUCKLE RH

#### Fasten the seat belt buckle RH.

#### Does the seat belt warning lamp go OFF?

- YES >> System OK.
- NO >>• Check seat belt buckle switch RH.
  - Check harness between seat belt buckle switch RH and air bag diagnosis sensor unit.
  - Replace air bag diagnosis sensor unit. Refer to <u>SR-30, "Removal and Installation"</u>.

# A/B WARNING LAMP IS OFF, PASS A/B INDCTR LAMP TURNS ON INTERMIT < SYMPTOM DIAGNOSIS >

# A/B WARNING LAMP IS OFF, PASS A/B INDCTR LAMP TURNS ON INTER-MIT

Description	В
SRS air bag warning lamp is OFF, passenger air bag indicator lamp turns ON intermittently with a person of adult stature seated normally in the passenger seat.	
Diagnosis Procedure INFOID-0000000012159738	С
1.REPLACE OCS SENSORS	D
<ol> <li>Replace the OCS sensors. Refer to <u>SR-34, "Removal and Installation - Control Unit"</u>.</li> <li>Perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u>.</li> </ol>	D
Is symptom still present?	Е
YES >> GO TO 2. NO >> Inspection End.	
2.REPLACE PASSENGER SEAT CUSHION FRAME	F
<ol> <li>Replace the passenger seat cushion frame. Refer to <u>SE-108, "PASSENGER SIDE : Seat Cushion"</u>.</li> <li>Perform zero point reset. Refer to <u>SRC-39, "ZERO POINT RESET : Description"</u>.</li> </ol>	
>> Inspection End.	G
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# SEAT BELT INDCTR LAMP IS ON, PASS AIR BAG INDCTR IS ON OR OFF

## < SYMPTOM DIAGNOSIS >

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

# Description

Vehicle conditions:

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

# **Diagnosis** Procedure

INFOID:000000012159740

INFOID:000000012159739

# **1.**REPLACE OCS SENSORS

- 1. Replace the OCS sensors. Refer to <u>SR-34, "Removal and Installation Control Unit"</u>.
- 2. Perform zero point reset. Refer to SRC-39, "ZERO POINT RESET : Description".

#### Is symptom still present?

YES >> GO TO 2.

NO >> Inspection End.

2.REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to <u>SE-108, "PASSENGER SIDE : Seat Cushion"</u>.

2. Perform zero point reset. Refer to SRC-39, "ZERO POINT RESET : Description".

>> Inspection End.