

SECTION **SRC**

SRS AIRBAG CONTROL SYSTEM

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SRC

PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:0000000012430587

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

WARNING:

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

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

WARNING:

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

Service

INFOID:0000000012430588

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

COMPONENT PARTS

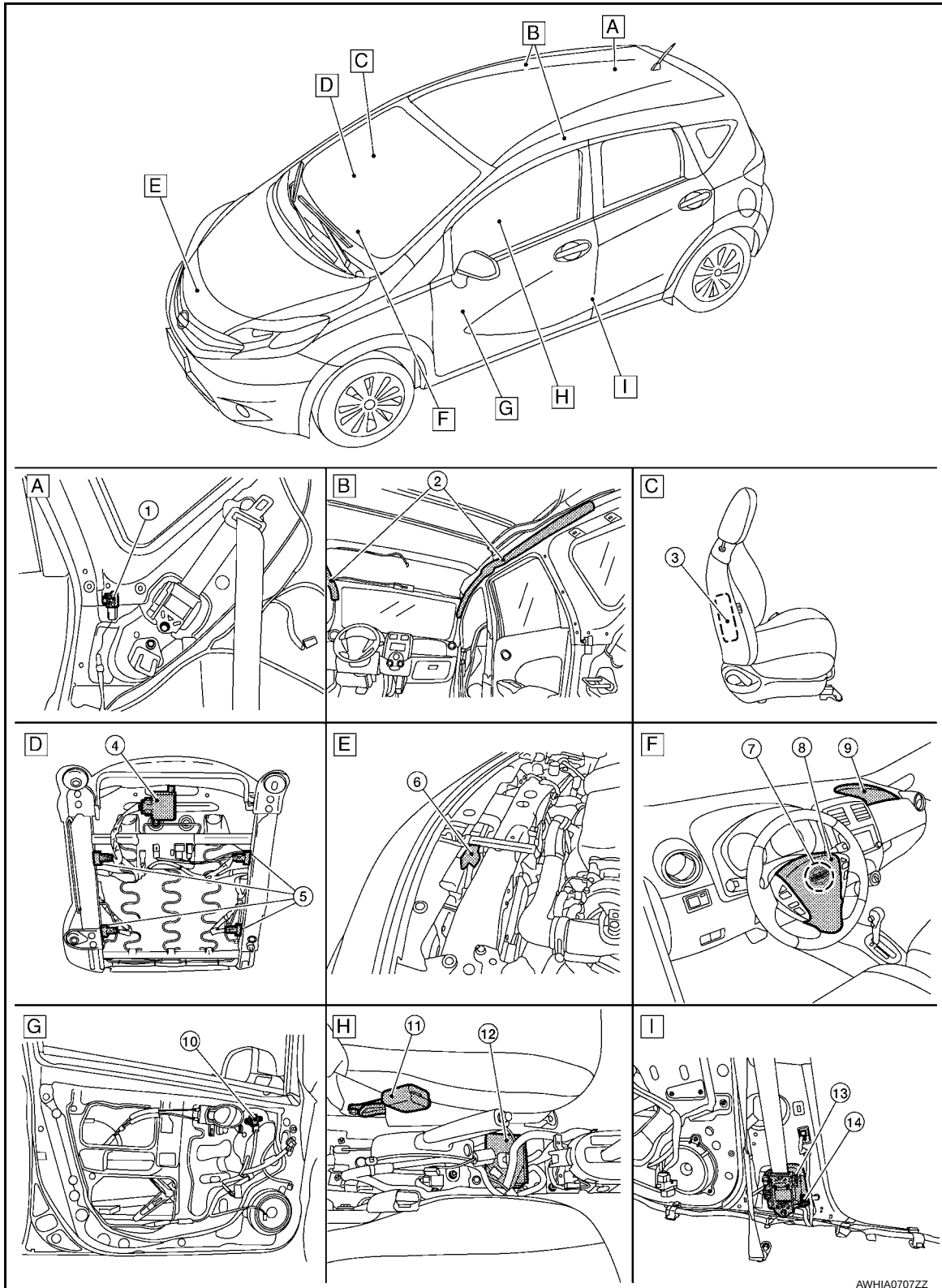
< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION

COMPONENT PARTS

Component Parts Location

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COMPONENT PARTS

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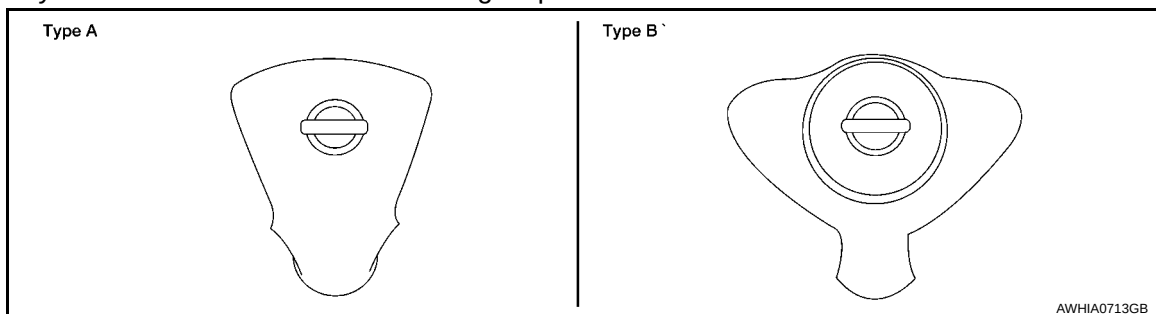
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|---|--|--|
| A. View with RH rear lower luggage finisher removed | B. View with headlining removed | C. RH front passenger seat |
| D. Occupant classification system | E. Radiator core support assembly | F. Instrument panel |
| G. View with front LH door finisher removed | H. View with center console trim removed | I. View with lower B-pillar trim removed |

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

Driver Air Bag Module

INFOID:000000012430590

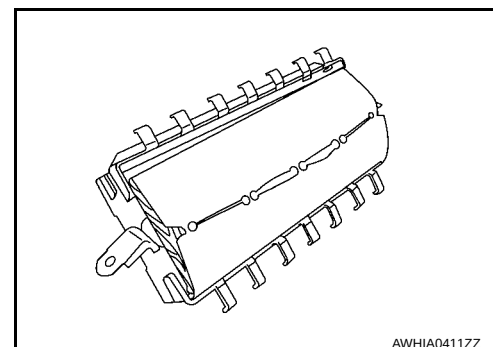
The driver air bag module is single or dual stage and located in the steering wheel assembly. It operates with the SRS system in a frontal collision exceeding a specified level.



Front Passenger Air Bag Module

INFOID:000000012430591

The front passenger air bag module is dual stage and is located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to [SRC-10, "SRS AIR BAG SYSTEM : System Description"](#) for more information.



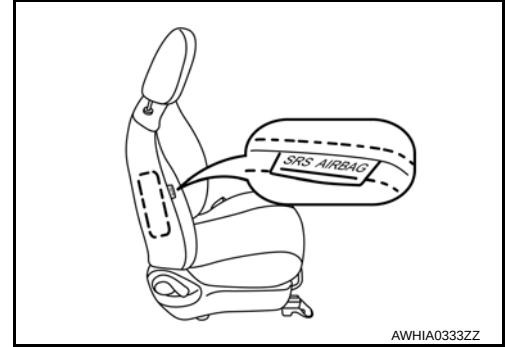
COMPONENT PARTS

< SYSTEM DESCRIPTION >

Front Side Air Bag Module

INFOID:000000012430592

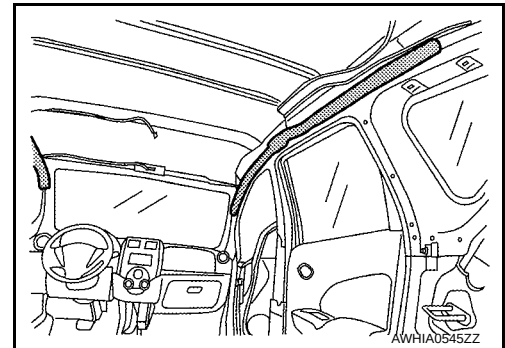
Front side air bag modules are built into the front seatback assemblies. Vehicles with side air bags are equipped with labels as shown.



Side Curtain Air Bag Module

INFOID:000000012430593

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



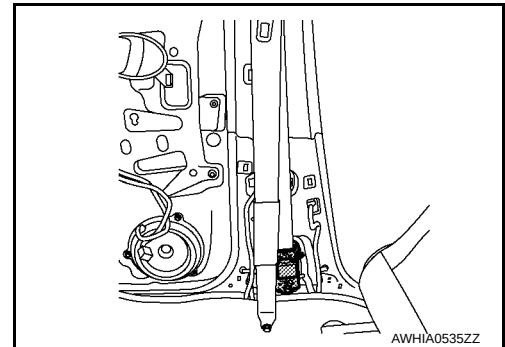
Front Seat Belt Pre-tensioner

INFOID:000000012430594

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

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

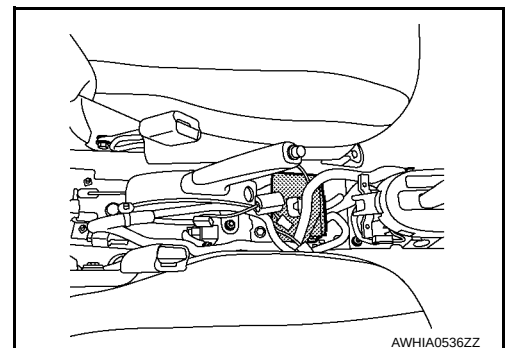
When passengers in a vehicle are thrown forward in a collision and the restraining force of the seat belt exceeds a specified level, the load limiter permits the specified extension of the seat belt by the twisting of the ELR shaft, and a relaxation of the chest-area seat belt web tension while maintaining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



Air Bag Diagnosis Sensor Unit

INFOID:000000012430595

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



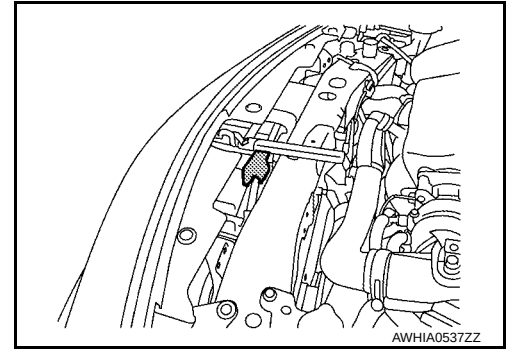
COMPONENT PARTS

< SYSTEM DESCRIPTION >

Crash Zone Sensor

INFOID:000000012430596

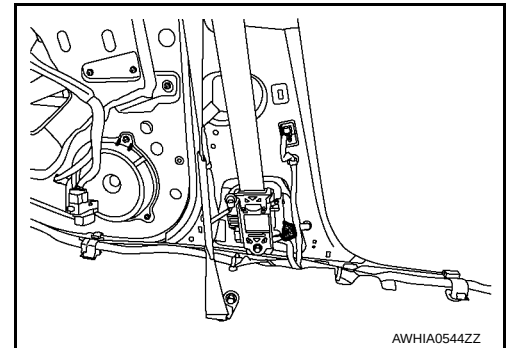
The crash zone sensor is located in front of the radiator. The crash zone sensor sends signals to the air bag diagnosis sensor unit during a frontal collision. This sensor may be identified by a yellow connector.



Front Side Air Bag Satellite Sensor

INFOID:000000012430597

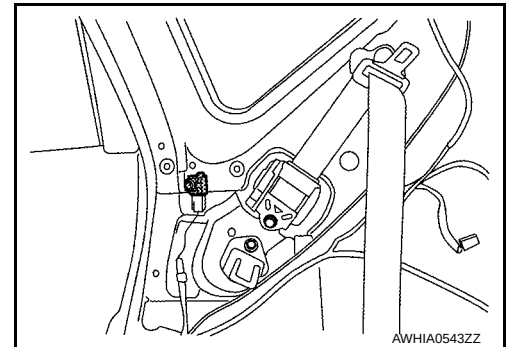
The front side air bag satellite sensors are located on the front center pillar LH and RH next to the seat belt pretensioners. The front side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



Rear Side Air Bag Satellite Sensor

INFOID:000000012430598

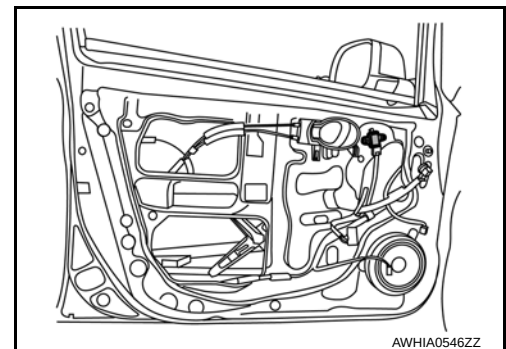
The rear side air bag satellite sensors are located behind the luggage side lower finisher LH and RH. The rear side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



Front Door Satellite Sensor

INFOID:000000012430599

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



SRS Component Connectors

INFOID:000000012430600

DIRECT CONNECT

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

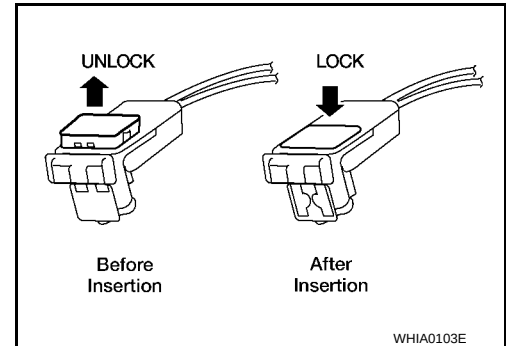
COMPONENT PARTS

< SYSTEM DESCRIPTION >

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

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

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

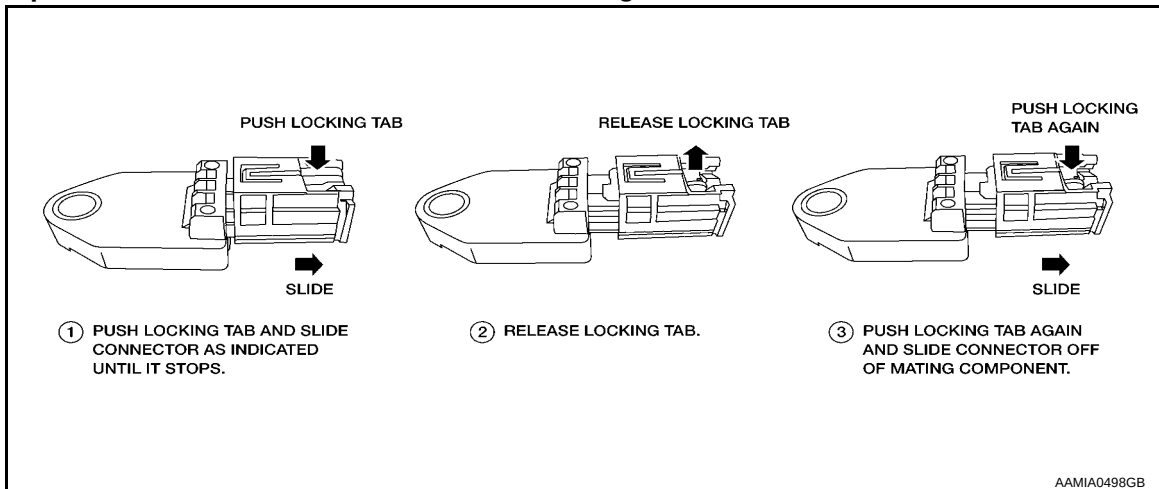


SLIDE DOUBLE LOCKING

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

CAUTION:

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



SYSTEM

< SYSTEM DESCRIPTION >

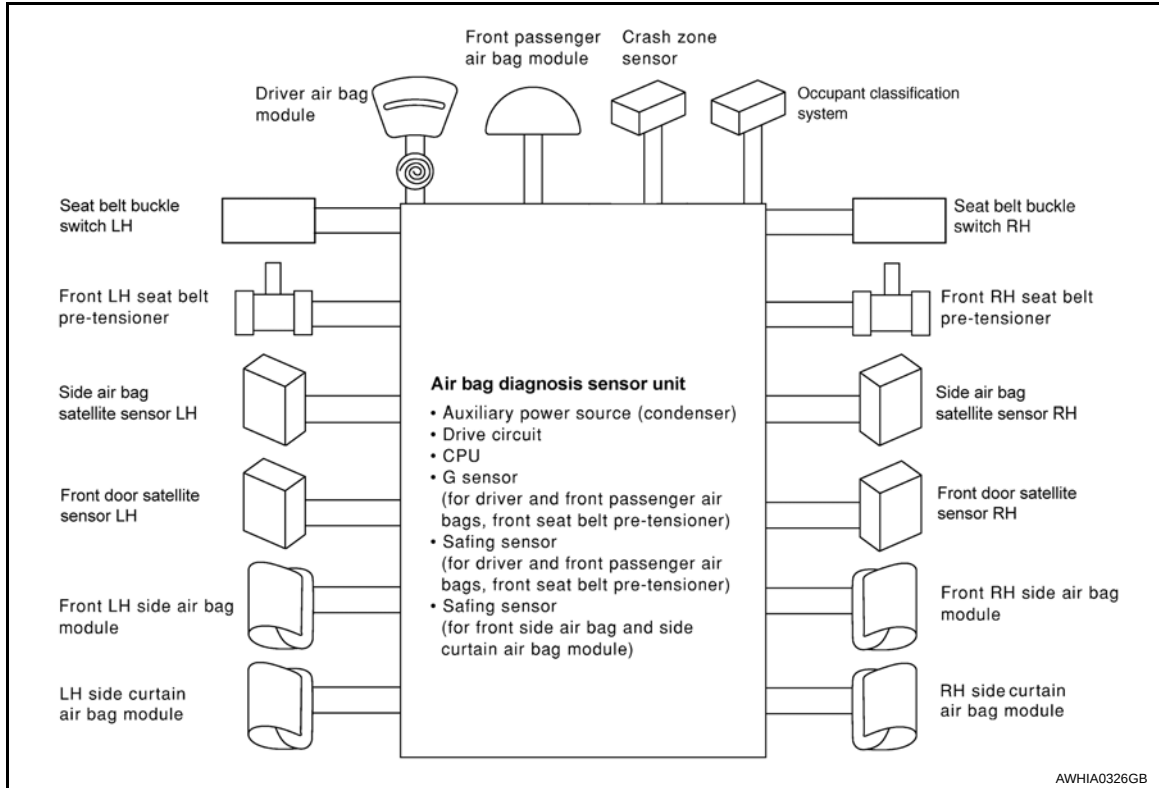
SYSTEM

SRS AIR BAG SYSTEM

SRS AIR BAG SYSTEM : System Description

INFOID:000000012430601

SYSTEM DIAGRAM



DESCRIPTION

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

SRS Collision Modes

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

OCCUPANT CLASSIFICATION SYSTEM

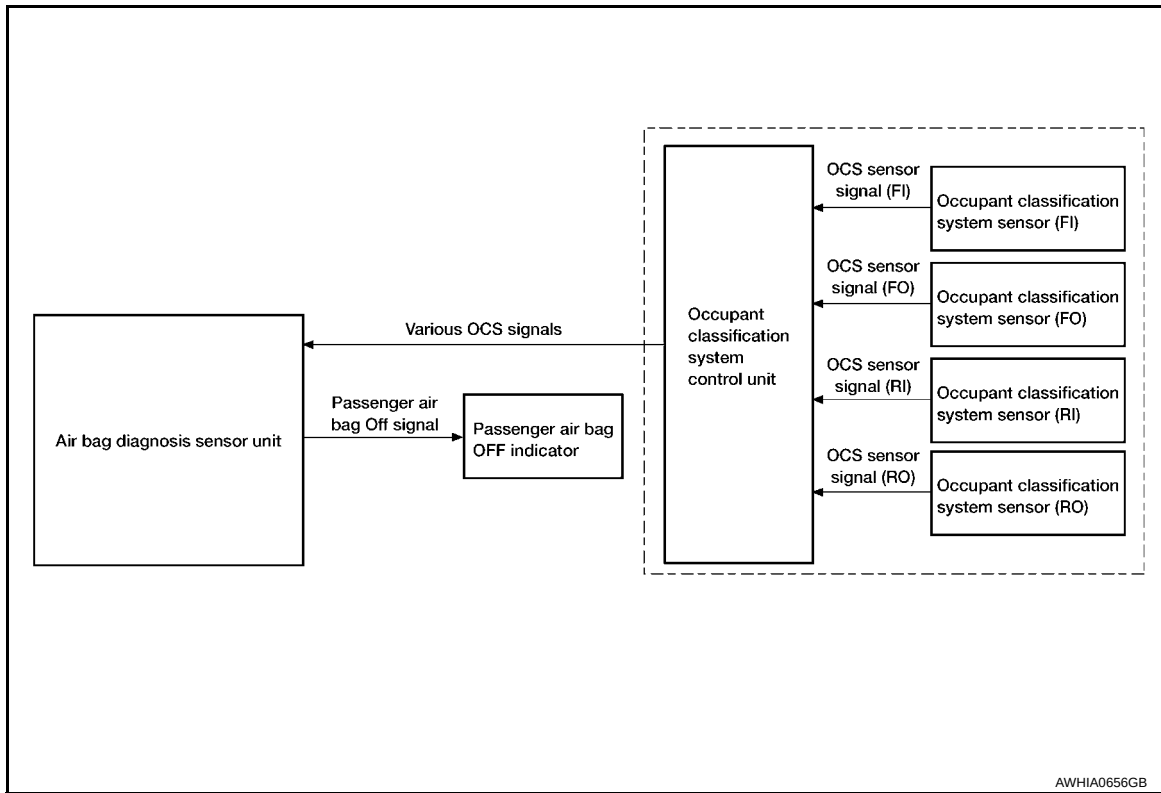
SYSTEM

< SYSTEM DESCRIPTION >

OCCUPANT CLASSIFICATION SYSTEM : System Description

INFOID:000000012430602

SYSTEM DIAGRAM



DESCRIPTION

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

NOTE:

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

Passenger Air Bag Status Conditions

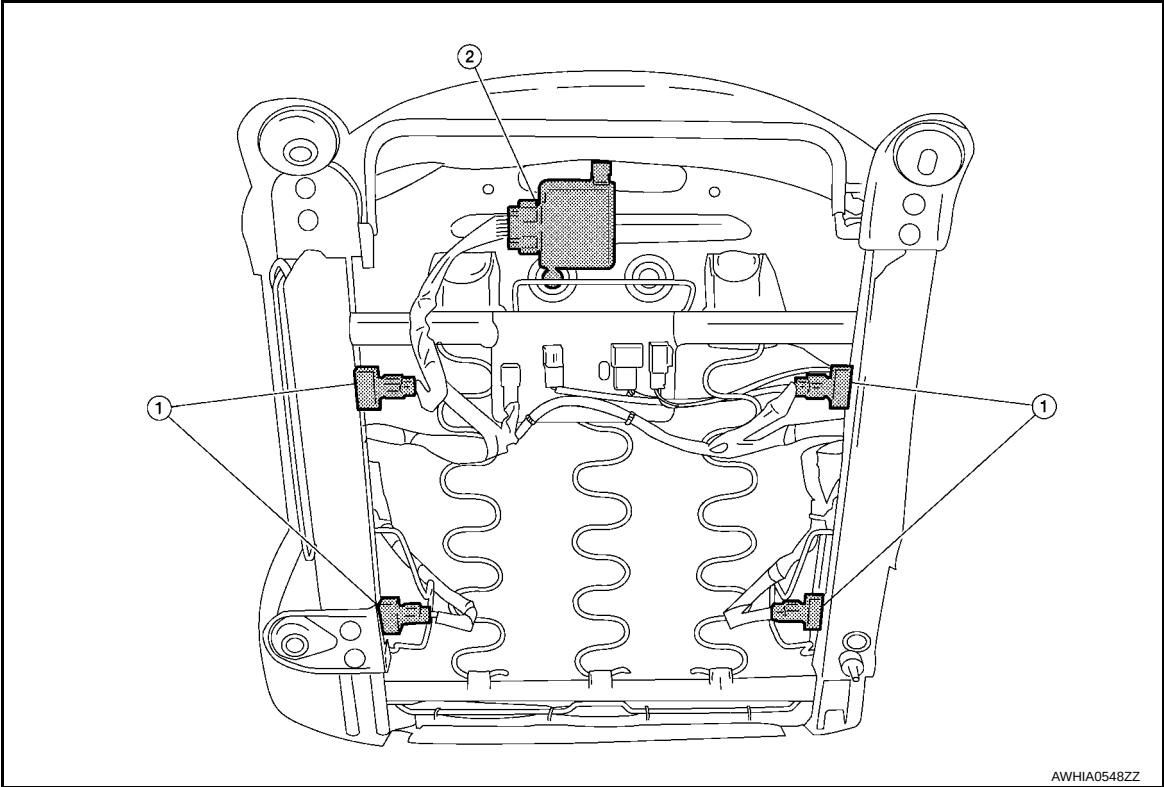
Front Passenger Seat (Condition)	PASS AIR BAG OFF Indicator (Status)	Passenger Air Bag Status (Readiness)	CONSULT Display
Seat occupied	OFF	Active (enabled)	ON
Seat occupied ^{NOTE}	ON	Deactivated (disabled)	OFF
Seat empty	OFF	Deactivated (disabled)	OFF

NOTE:

SYSTEM

< SYSTEM DESCRIPTION >

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

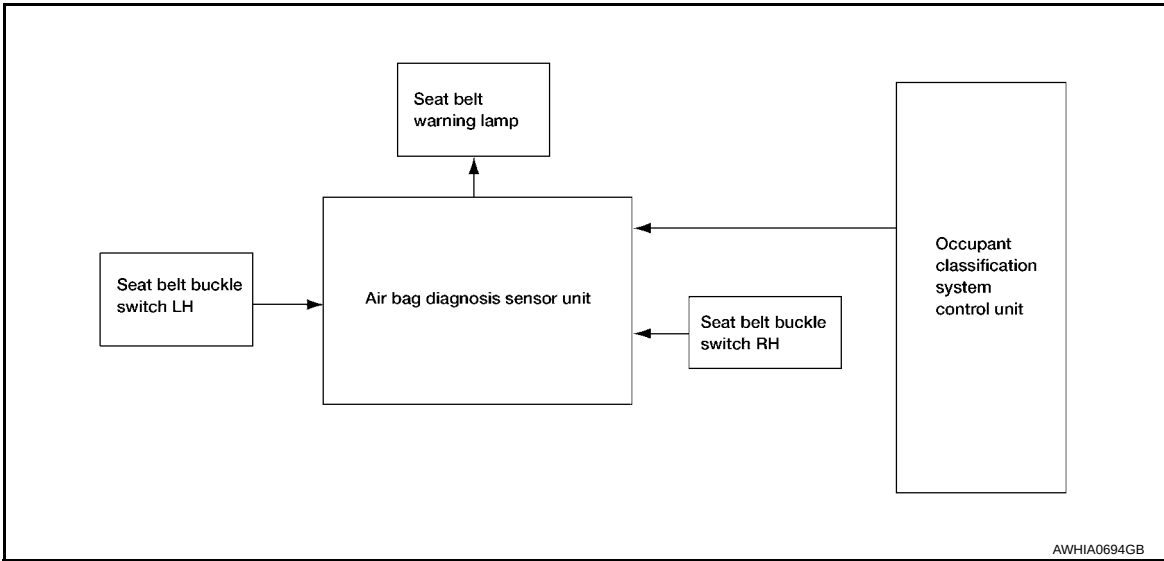


SEAT BELT WARNING LAMP SYSTEM

SEAT BELT WARNING LAMP SYSTEM : System Description

INFOID:0000000012430603

SYSTEM DIAGRAM

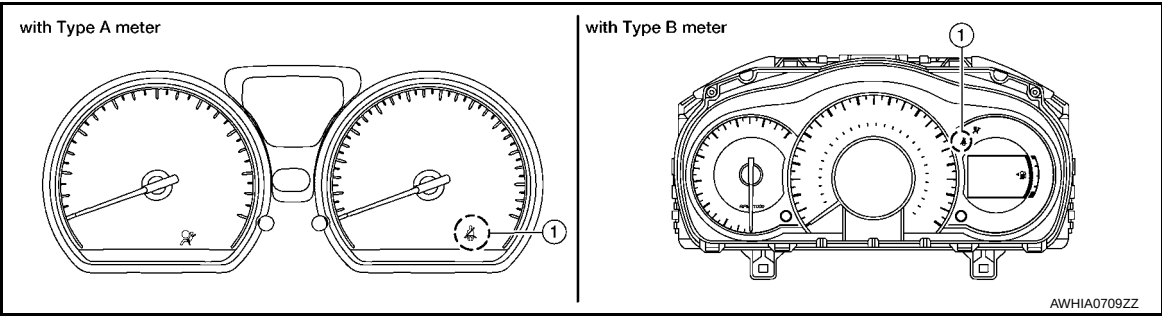


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SYSTEM

< SYSTEM DESCRIPTION >

The seat belt warning lamp (1) will remind the driver if the driver or front passenger seat belt should be buckled. The system works in conjunction with the occupant classification system. Refer to [SRC-11, "OCCUPANT CLASSIFICATION SYSTEM : System Description"](#).



Seat Belt Warning System Operation

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
Seat occupied	Seat occupied	Buckled	Buckled	Off
			Unbuckled	On
	Seat unoccupied	Unbuckled	—	Off
	—			On

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DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (AIR BAG)

Description

INFOID:000000012430604

CAUTION:

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

DIAGNOSIS FUNCTION

- The SRS self-diagnostic results can be read with air bag warning lamp and/or CONSULT.
- The user mode is exclusively prepared for the customer (driver). This mode warns the driver of a system malfunction through the operation of the air bag warning lamp.
- The diagnosis mode allows the technician to locate and inspect the malfunctioning part.
- The mode applications for the air bag warning lamp and CONSULT are as per the following items.

×: Application, —: Not application

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

On Board Diagnosis Function

INFOID:000000012430605

ON-BOARD DIAGNOSIS

There are two self diagnosis functions with air bag warning lamp per the following items.

- USER MODE
- DIAGNOSIS MODE

METHOD OF STARTING

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

Procedure to Change Diagnosis Mode

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

NOTE:

When in Diagnosis Mode, the air bag warning lamp may illuminate for more than 7 seconds after the ignition switch is turned ON. If this is the case, the ignition switch must still be cycled OFF after 7 seconds.

3. After turning ignition switch OFF, wait for 3 seconds or more.
4. Repeat operation 1 to 3 for 2 times so that operation 1 to 3 is repeated for 3 times in total.
5. Turn ignition switch from OFF to ON. Diagnosis mode changes.

USER MODE

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

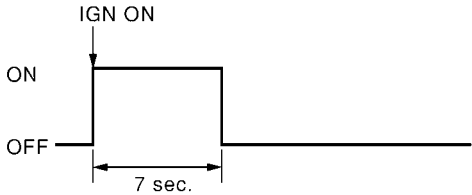
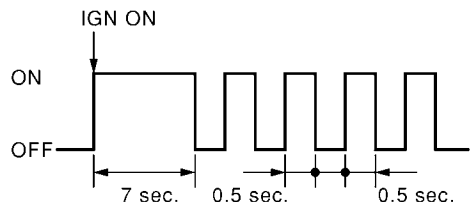
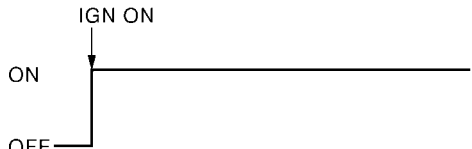
How to Read Air Bag Warning Lamp

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

Air Bag Warning Lamp Examples:

DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

Air bag warning lamp flashing pattern (User Mode)		
Warning lamp	SRS condition	Reference item
 SHIA0011E	- No malfunction is detected. - No further action is necessary.	—
 SHIA0012E	The system is malfunctioning and needs to be repaired.	Refer to SRC-16, "Trouble Diagnosis with CONSULT" or SRC-14, "On Board Diagnosis Function" .
 SHIA0013E	- Air bag is deployed. - Seat belt pre-tensioner is deployed. - Air bag diagnosis sensor unit is malfunctioning. - Air bag power supply circuit is malfunctioning. - SRS air bag warning lamp circuit is malfunctioning.	Refer to SR-5, "For Frontal Collision" or SR-7, "For Side and Rollover Collision" .
 SHIA0014E	- Air bag diagnosis sensor unit is malfunctioning. - Air bag warning lamp circuit is malfunctioning.	Refer to SRC-97, "Diagnosis Procedure" .

DIAGNOSIS MODE

NOTE:

Diagnosis Mode can not be entered if a malfunction is not detected in User Mode.

- Turn ignition switch ON.
- After AIR BAG warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.
- Wait more than 3 seconds.
- Repeat steps 1 to 3 two more times (3 times total).
- Turn ignition switch ON.

SRS is now in Diagnosis Mode. Refer to [SRC-21, "Flash Code Index"](#).

DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

Trouble Diagnosis with CONSULT

INFOID:0000000012430606

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

NOTE:

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

- "SELF-DIAG [PAST]" memory might not be erased. Refer to [SRC-14, "On Board Diagnosis Function"](#).
- SRS system malfunctions intermittently. Refer to [SRC-41, "Inspection Procedure"](#).

DIAGNOSIS MODE

1. Connect CONSULT.
2. Confirm that zero point reset of OCS is complete.
3. If no DTCs are detected on "SELF-DIAG RESULTS [CURRENT]", repair of SRS is completed. Go to step 4.

If any DTCs are detected on "SELF-DIAG RESULTS [CURRENT]", the malfunction has not been repaired completely or another malfunction is being detected. Perform SRS Operation Check again. Refer to [SRC-14, "On Board Diagnosis Function"](#).

4. Touch "ERASE".

NOTE:

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

5. Check that no malfunction is detected in "SELF-DIAG [PAST]".
6. Exit Diagnosis Mode and disconnect the CONSULT.
7. Perform SRS Operation Check. Refer to [SRC-14, "On Board Diagnosis Function"](#).

SRS HISTORY CHECK

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

CONSULT Function (AIR BAG)

INFOID:0000000012430607

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

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

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:0000000012430608

DIAGNOSTIC CODE CHART

NOTE:

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

CONSULT name	DTC	DTC detecting condition	Repair order
DRIVER AIRBAG MODULE CIRCUIT [OPEN]	B0001	Driver air bag module circuit (DR1) is open (including the spiral cable).	Refer to SRC-43, "Diagnosis Procedure" .
DRIVER AIRBAG MODULE CIRCUIT [VB-SHORT]		Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE CIRCUIT [GND-SHORT]		Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE CIRCUIT [SHORT]		Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [OPEN]	B0002	Driver air bag module circuit (DR2) is open (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [VB-SHORT]		Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [GND-SHORT]		Driver air bag module circuit (DR2) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [SHORT]		Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).	
ASSIST AIRBAG MODULE CIRCUIT [OPEN]	B0010	Front passenger air bag module circuit (AS1) is open.	Refer to SRC-45, "Diagnosis Procedure" .
ASSIST AIRBAG MODULE CIRCUIT [VB-SHORT]		Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.	
ASSIST AIRBAG MODULE CIRCUIT [GND-SHORT]		Front passenger air bag module circuit (AS1) is shorted to ground.	
ASSIST AIRBAG MODULE CIRCUIT [SHORT]		Front passenger air bag module circuits (AS1) are shorted to each other.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [OPEN]	B0011	Front passenger air bag module circuit (AS2) is open.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [VB-SHORT]		Front passenger air bag module circuit (AS2) is shorted to a power supply circuit.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [GND-SHORT]		Front passenger air bag module circuit (AS2) is shorted to ground.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [SHORT]		Front passenger air bag module circuits (AS2) are shorted to each other.	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE AIRBAG MODULE LH CIRCUIT [OPEN]	B0020	Front LH side air bag module circuit is open.	Refer to SRC-47, "Diagnosis Procedure" .
SIDE AIRBAG MODULE LH CIRCUIT [VB-SHORT]		Front LH side air bag module circuit is shorted to a power supply circuit.	
SIDE AIRBAG MODULE LH CIRCUIT [GND-SHORT]		Front LH side air bag module circuit is shorted to ground.	
SIDE AIRBAG MODULE LH CIRCUIT [SHORT]		Front LH side air bag module circuits are shorted to each other.	
SIDE AIRBAG MODULE RH CIRCUIT [OPEN]	B0028	Front RH side air bag module circuit is open.	Refer to SRC-49, "Diagnosis Procedure" .
SIDE AIRBAG MODULE RH CIRCUIT [VB-SHORT]		Front RH side air bag module circuit is shorted to a power supply circuit.	
SIDE AIRBAG MODULE RH CIRCUIT [GND-SHORT]		Front RH side air bag module circuit is shorted to ground.	
SIDE AIRBAG MODULE RH CIRCUIT [SHORT]		Front RH side air bag module circuits are shorted to each other.	
CURTAIN AIRBAG MODULE LH CIRCUIT [OPEN]	B0021	LH side curtain air bag module circuit is open.	Refer to SRC-51, "Diagnosis Procedure" .
CURTAIN AIRBAG MODULE LH CIRCUIT [VB-SHORT]		LH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN AIRBAG MODULE LH CIRCUIT [GND-SHORT]		LH side curtain air bag module circuit is shorted to ground.	
CURTAIN AIRBAG MODULE LH CIRCUIT [SHORT]		LH side curtain air bag module circuits are shorted to each other.	
CURTAIN AIRBAG MODULE RH CIRCUIT [OPEN]	B0029	RH side curtain air bag module circuit is open.	Refer to SRC-53, "Diagnosis Procedure" .
CURTAIN AIRBAG MODULE RH CIRCUIT [VB-SHORT]		RH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN AIRBAG MODULE RH CIRCUIT [GND-SHORT]		RH side curtain air bag module circuit is shorted to ground.	
CURTAIN AIRBAG MODULE RH CIRCUIT [SHORT]		RH side curtain air bag module circuits are shorted to each other.	
FRONT PRE-TEN LH CIRCUIT [OPEN]	B1430	LH seat belt pre-tensioner circuit is open.	Refer to SRC-55, "Diagnosis Procedure" .
FRONT PRE-TEN LH CIRCUIT [VB-SHORT]		LH seat belt pre-tensioner circuit is shorted to a power supply circuit.	
FRONT PRE-TEN LH CIRCUIT [GND-SHORT]		LH seat belt pre-tensioner circuit is shorted to ground.	
FRONT PRE-TEN LH CIRCUIT [SHORT]		LH seat belt pre-tensioner circuits are shorted to each other.	
FRONT PRE-TEN RH CIRCUIT [OPEN]	B1431	RH seat belt pre-tensioner circuit is open.	Refer to SRC-57, "Diagnosis Procedure" .
FRONT PRE-TEN RH CIRCUIT [VB-SHORT]		RH seat belt pre-tensioner circuit is shorted to a power supply circuit.	
FRONT PRE-TEN RH CIRCUIT [GND-SHORT]		RH seat belt pre-tensioner circuit is shorted to ground.	
FRONT PRE-TEN RH CIRCUIT [SHORT]		RH seat belt pre-tensioner circuits are shorted to each other.	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition	Repair order
SEAT BELT BUCKLE SW LH CIRCUIT [OPEN]	B1428	LH seat belt buckle switch circuit is open.	Refer to SRC-59, "Diagnosis Procedure" .
SEAT BELT BUCKLE SW LH CIRCUIT [VB-SHORT]		LH seat belt buckle switch circuit is shorted to a power supply circuit.	
SEAT BELT BUCKLE SW LH CIRCUIT [GND-SHORT]		LH seat belt buckle switch circuit is shorted to ground.	
SEAT BELT BUCKLE SW LH CIRCUIT [UNDEFINED]		LH seat belt buckle switch circuit malfunction.	
SEAT BELT BUCKLE SW RH CIRCUIT [OPEN]	B1429	RH seat belt buckle switch circuit is open.	Refer to SRC-61, "Diagnosis Procedure" .
SEAT BELT BUCKLE SW RH CIRCUIT [VB-SHORT]		RH seat belt buckle switch circuit is shorted to a power supply circuit.	
SEAT BELT BUCKLE SW RH CIRCUIT [GND-SHORT]		RH seat belt buckle switch circuit is shorted to ground.	
SEAT BELT BUCKLE SW RH CIRCUIT [UNDEFINED]		RH seat belt buckle switch circuit malfunction.	
CRASH ZONE SENSOR [SENSOR FAIL]	B0094	Crash zone sensor has malfunctioned.	Refer to SRC-63, "Diagnosis Procedure" .
CRASH ZONE SENSOR [COMM FAIL]		Crash zone sensor communication error.	
CRASH ZONE SENSOR [DISCONNECT]		Crash zone sensor is disconnected.	
CRASH ZONE SENSOR [UNMATCH]		Crash zone sensor is out of specification.	
CRASH ZONE SENSOR [GND-SHORT]		Crash zone sensor circuit is shorted to ground.	
DOOR SATELLITE SENSOR LH [SENSOR FAIL]	B0093	Front door satellite sensor LH has malfunctioned.	Refer to SRC-65, "Diagnosis Procedure" .
DOOR SATELLITE SENSOR LH [COMM FAIL]		Front door satellite sensor LH communication error.	
DOOR SATELLITE SENSOR LH [DISCONNECT]		Front door satellite sensor LH is disconnected.	
DOOR SATELLITE SENSOR LH [UNMATCH]		Front door satellite sensor LH is out of specification.	
DOOR SATELLITE SENSOR LH [GND-SHORT]		Front door satellite sensor LH circuit is shorted to ground.	
DOOR SATELLITE SENSOR RH [SENSOR FAIL]	B0098	Front door satellite sensor RH has malfunctioned.	Refer to SRC-67, "Diagnosis Procedure" .
DOOR SATELLITE SENSOR RH [COMM FAIL]		Front door satellite sensor RH communication error.	
DOOR SATELLITE SENSOR RH [DISCONNECT]		Front door satellite sensor RH is disconnected.	
DOOR SATELLITE SENSOR RH [UNMATCH]		Front door satellite sensor RH is out of specification.	
DOOR SATELLITE SENSOR RH [GND-SHORT]		Front door satellite sensor RH circuit is shorted to ground.	
DOOR SATELLITE SENSOR [LOWER LIMIT ERR]	B1500	Lower limit value malfunction of front door satellite sensor LH or RH.	Refer to SRC-69, "Diagnosis Procedure" .
DOOR SATELLITE SENSOR [UPPER LIMIT ERR]		Upper limit value malfunction of front door satellite sensor LH or RH.	
DOOR SATELLITE SENSOR [PERFRM ERR/INCRCT OPE]		Malfunction of front door satellite sensor LH or RH.	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

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

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition	Repair order
OCCUPANT DETECTION SENSOR UNIT [UNIT FAIL]	B00A0	The OCS control unit is malfunctioning.	Refer to SRC-84, "Diagnosis Procedure" .
OCCUPANT DETECTION SENSOR UNIT [NO DATA]			
OCCUPANT DETECTION SENSOR UNIT [UNDEFINED]			
OCCUPANT DETECTION SENSOR UNIT [RESET FAIL]			
OCCUPANT DETECTION SENSOR UNIT [COMM FAIL]		Communication between the OCS control unit and the air bag diagnosis sensor unit is interrupted.	
OCCUPANT DETECTION SENSOR [UNIT FAIL]		The OCS sensor is malfunctioning.	
OCCUPANT DETECTION SENSOR [POWER FAIL]		The OCS sensor circuit is malfunctioning.	
CONTROL UNIT [UNIT FAIL]	B14XX	Air bag diagnosis sensor unit is malfunctioning.	Refer to SRC-86, "Diagnosis Procedure" .
PASS A/B INDCTR CKT [UNIT MALFUNC]	B00D2	Malfunction in front passenger air bag ON indicator circuit.	Refer to SRC-88, "Diagnosis Procedure" .
PASS A/B INDCTR CKT [GND-SHORT]		Front passenger air bag ON indicator circuit is shorted to ground.	
PASS A/B INDCTR CKT [VB-SHORT]		Front passenger air bag ON indicator circuit is shorted to power supply circuit.	
PASS A/B INDCTR CKT [OPEN]		Front passenger air bag ON indicator circuit is open.	
PASS A/B INDCTR CKT [PWE-SHORT/OPEN]		Front passenger air bag ON indicator circuit is open or shorted to power supply circuit.	
PASSENGER AIRBAG INDICATOR CIRCUIT [FAIL]	B00D5	Front passenger air bag OFF indicator is malfunctioning.	Refer to SRC-90, "Diagnosis Procedure" .
PASSENGER AIRBAG INDICATOR CIRCUIT [OPEN]		Front passenger air bag OFF indicator circuit is open.	
PASSENGER AIRBAG INDICATOR CIRCUIT [VB-SHORT]		Front passenger air bag OFF indicator is shorted to a power supply circuit.	
PASSENGER AIRBAG INDICATOR CIRCUIT [GND-SHORT]		Front passenger air bag OFF indicator is shorted to ground.	
IGN VOLTAGE [LOW]	B142A	Ignition voltage to the air bag diagnosis sensor unit is low.	Refer to SRC-92, "Diagnosis Procedure" .
IGN VOLTAGE [HIGH]		Ignition voltage to the air bag diagnosis sensor unit is high.	
CAN COMMUNICATION FAILURE	U1000	CAN system communication failure.	Refer to SRC-94, "Diagnosis Procedure" .
CAN COMMUNICATION FAILURE [CONTROL UNIT]	U1010	CAN system (control unit) failure.	Refer to SRC-95, "Diagnosis Procedure" .
FRONTAL COLLISION DETECTION	B1421	Frontal collision detected. Driver and/or front passenger air bag modules are deployed.	Refer to SR-5, "For Frontal Collision" .
SIDE COLLISION DETECTION	B1422	Side collision detected. Curtain air bag module and seat belt pre-tensioner are deployed.	Refer to SR-7, "For Side and Rollover Collision" .

Flash Code Index

INFOID:0000000012430609

WARNING LAMP FLASH CODE CHART

DIAGNOSIS SENSOR UNIT

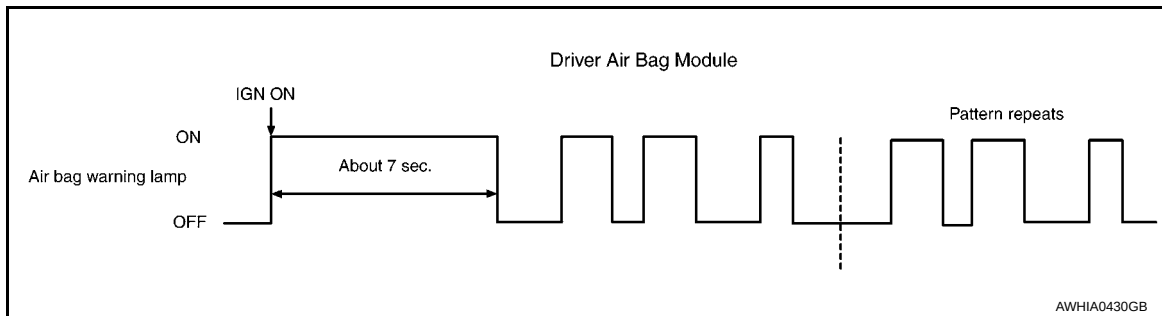
< ECU DIAGNOSIS INFORMATION >

How to read flash codes

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

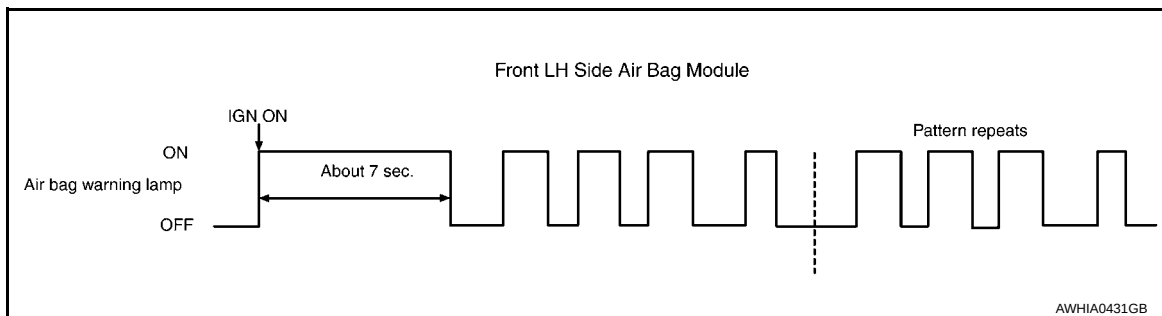
Refer to the illustrations below for an example of each flashing pattern.

Front subsystem



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	1	Driver air bag module	SRC-43. "Diagnosis Procedure"
		2	Passenger air bag module	SRC-45. "Diagnosis Procedure"
		3	Front LH seat belt pre-tensioner	SRC-55. "Diagnosis Procedure"
		4	Front RH seat belt pre-tensioner	SRC-57. "Diagnosis Procedure"

Side subsystem

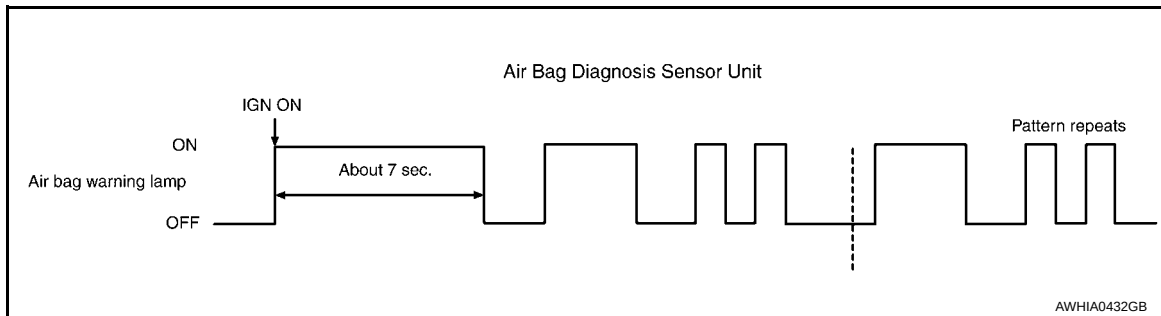


DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

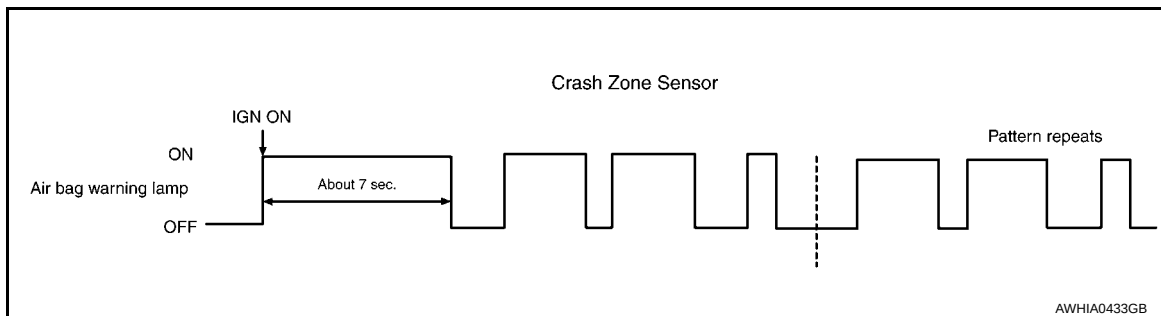
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
3	1.5	1	Front LH side air bag module	SRC-47, "Diagnosis Procedure"
		2	Front RH side air bag module	SRC-49, "Diagnosis Procedure"
		3	LH side curtain air bag module	SRC-51, "Diagnosis Procedure"
		4	RH side curtain air bag module	SRC-53, "Diagnosis Procedure"

Air bag subsystem



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	1	Collision detection	SRC-96, "Diagnosis Procedure"
		2	Air bag diagnosis sensor unit	SRC-86, "Diagnosis Procedure"
		3	Passenger air bag OFF indicator	SRC-90, "Diagnosis Procedure"
		4	Occupant classification system	SRC-84, "Diagnosis Procedure"

Sensor subsystem



DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	1	Crash zone sensor	SRC-63, "Diagnosis Procedure"
		2	Front side air bag satellite sensor LH	SRC-72, "Diagnosis Procedure"
		3	Front side air bag satellite sensor RH	SRC-75, "Diagnosis Procedure"
		4	Rear side air bag satellite sensor LH	SRC-78, "Diagnosis Procedure"
		5	Rear side air bag satellite sensor RH	SRC-81, "Diagnosis Procedure"
		6	Front door satellite sensor LH	SRC-65, "Diagnosis Procedure"
		7	Front door satellite sensor RH	SRC-67, "Diagnosis Procedure"
		8	Seat belt buckle switch LH	SRC-59, "Diagnosis Procedure"
		9	Seat belt buckle switch RH	SRC-61, "Diagnosis Procedure"

SRS AIR BAG SYSTEM

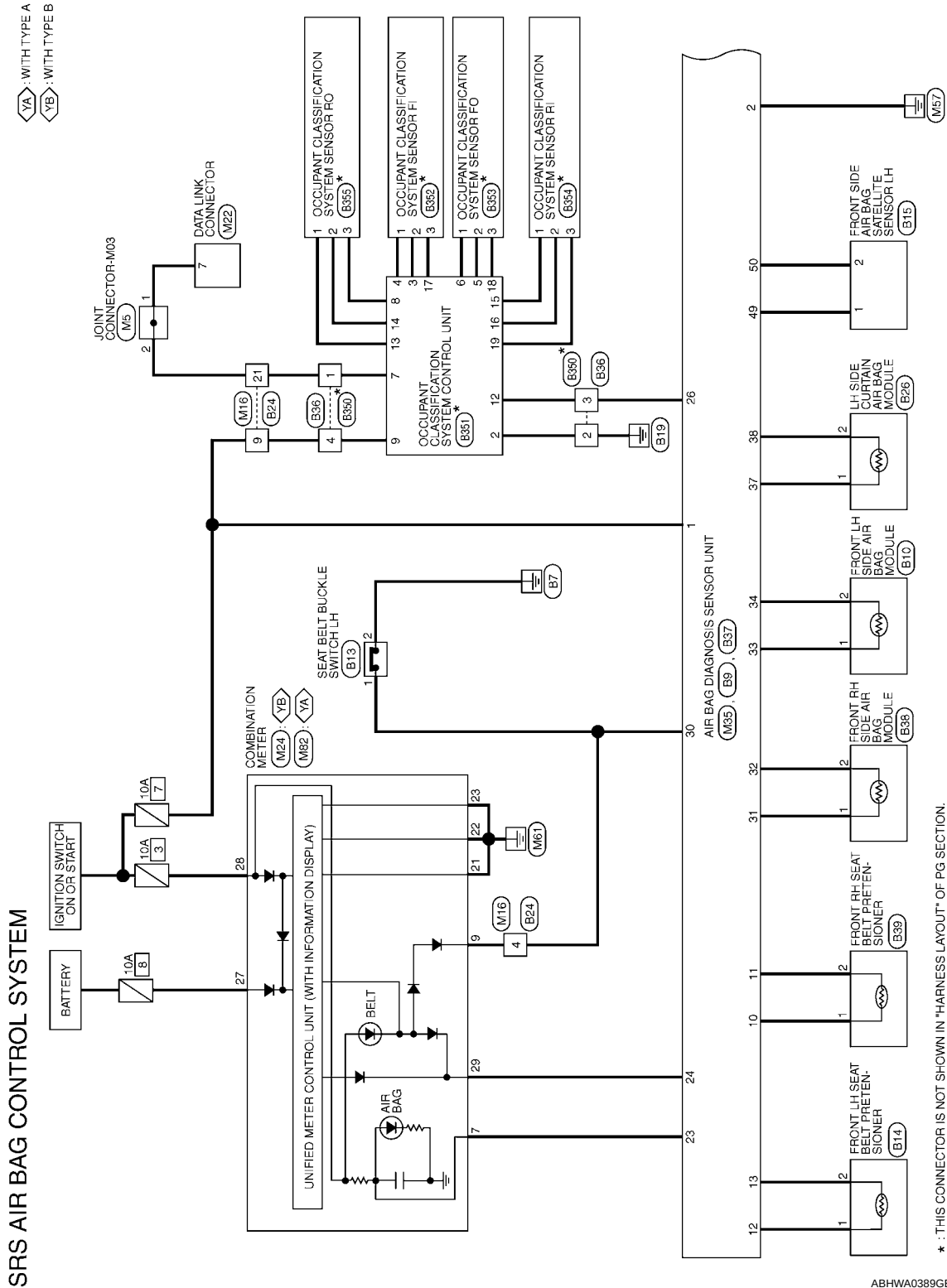
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WIRING DIAGRAM

SRS AIR BAG SYSTEM

Wiring Diagram

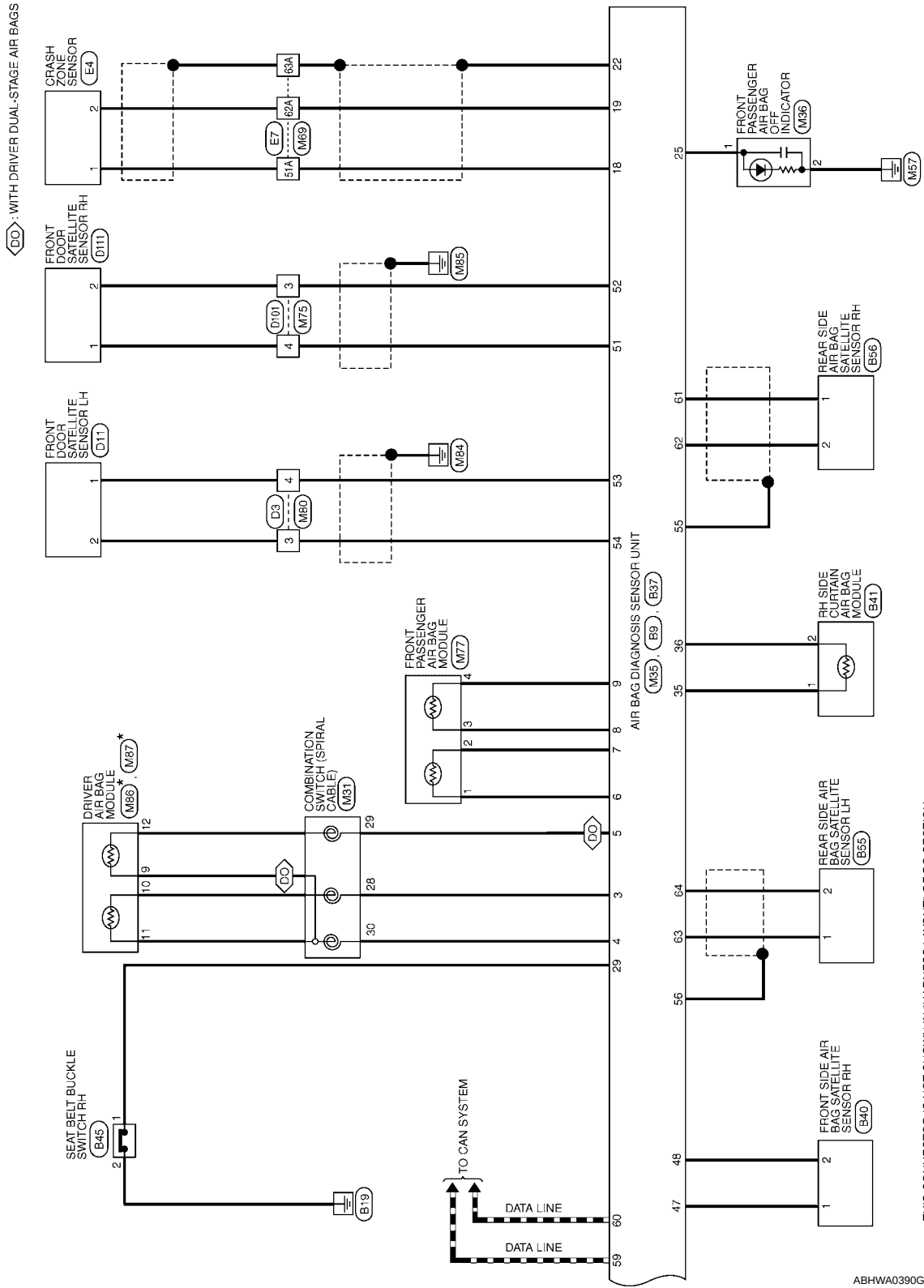
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SRS AIR BAG SYSTEM

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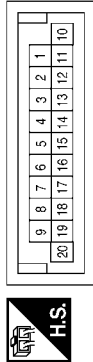


SRS AIR BAG SYSTEM

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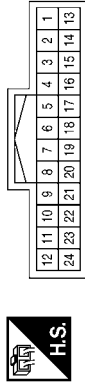
SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M5
Connector Name	JOINT CONNECTOR-M03
Connector Color	WHITE



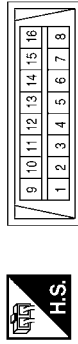
Terminal No.	Color of Wire	Signal Name
1	GR	-
2	GR	-

Connector No.	M16
Connector Name	WIRE TO WIRE
Connector Color	WHITE



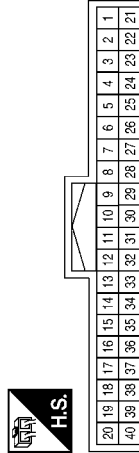
Terminal No.	Color of Wire	Signal Name
4	V	-
9	P	-
21	GR	-

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



Terminal No.	Color of Wire	Signal Name
7	GR	-

Connector No.	M24
Connector Name	COMBINATION METER (WITH TYPE B)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
7	V	AIR BAG WARNING LIGHT
9	V	SEAT BELT BUCKLE SW
21	B	GND (ILL)
22	B	GND (POWER)
23	B	GND (CIRCUIT)
27	R/W	BAT
28	GR	IGN
29	G	PASSENGER SEAT BELT

Connector No.	M31
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	YELLOW



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

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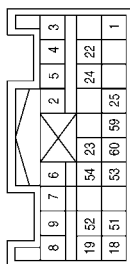
SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

Terminal No.	Color of Wire	Signal Name
51	P	RH DOOR SATELLITE SENSOR(+)
52	L	RH DOOR SATELLITE SENSOR(-)
53	R	LH DOOR SATELLITE SENSOR(+)
54	G	LH DOOR SATELLITE SENSOR(-)
59	L	CAN-H
60	P	CAN-L

Terminal No.	Color of Wire	Signal Name
4	Y	DR1(-), DR2(-)
5	Y/G	DR2(+)
6	Y/R	AS1(+)
7	Y/G	AS1(-)
8	Y/B	AS2(+)
9	Y	AS2(-)
18	L	ECZS 1(+)
19	P	ECZS 1(-)
22	SHIELD	GND
23	V	AIRBAG W/L
24	G	SEATBELT REMINDER/TELLTALE-B
25	LG	TELLTALE LAMP-A

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



Terminal No.	Color of Wire	Signal Name
1	BR	IGN
2	B/W	GND
3	Y/R	DR1(+)

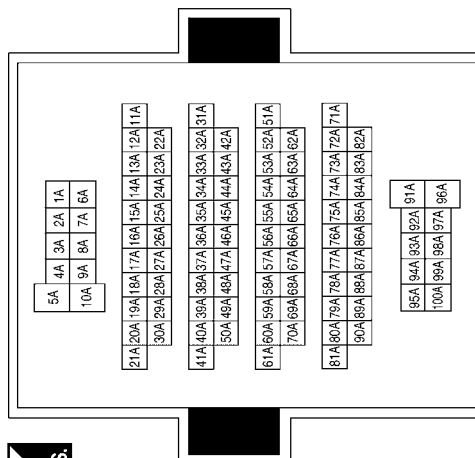
Terminal No.	Color of Wire	Signal Name
51A	L	-
62A	P	-
63A	SHIELD	-

Connector No.	M69
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

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



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SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

Connector No.	M80
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

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



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

Connector No.	M75
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

Connector No.	M87
Connector Name	DRIVER AIR BAG MODULE
Connector Color	YELLOW



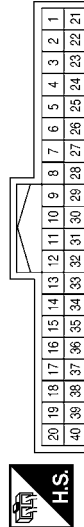
Terminal No.	Color of Wire	Signal Name
10	W	-
11	B	-

Connector No.	M86
Connector Name	DRIVER AIR BAG MODULE
Connector Color	ORANGE



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

Connector No.	M82
Connector Name	COMBINATION METER (WITH TYPE A)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
7	V	AIR BAG
9	V	BELT
21	B	GND (ILLUMINATION)
22	B	GND (POWER)
23	B	GND (CIRCUIT)
27	R/W	BAT
28	GR	IGN
29	G	AS BELT

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SRS AIR BAG SYSTEM

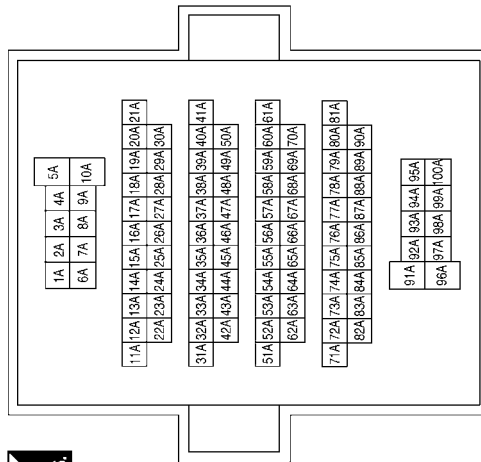
< WIRING DIAGRAM >

Terminal No.	Color of Wire	Signal Name
51A	L	-
62A	P	-
63A	SHIELD	-

Connector No.	E7
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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



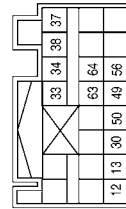
Connector No.	B10
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Color	YELLOW



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

Terminal No.	Color of Wire	Signal Name
33	Y/B	S-LH+
34	Y	S-LH-
37	G	C-LH1+, HD-LH1+
38	LG	C-LH1-, HD-LH1-
49	W	LH B-PILLAR SATELLITE SENSOR +
50	B	LH B-PILLAR SATELLITE SENSOR -
56	SHIELD	GND
63	G	LH C-PILLAR SATELLITE SENSOR +
64	R	LH C-PILLAR SATELLITE SENSOR -

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



Terminal No.	Color of Wire	Signal Name
12	BG	P-LH1+
13	V	P-LH1-
30	BG	LH SEAT BELT BUCKLE SWITCH+

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SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

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



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

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



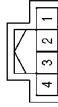
Terminal No.	Color of Wire	Signal Name
1	BG	-
2	V	-

Connector No.	B13
Connector Name	SEAT BELT BUCKLE SWITCH LH
Connector Color	WHITE



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

Connector No.	B36
Connector Name	WIRE TO WIRE
Connector Color	WHITE



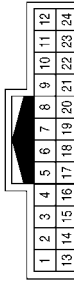
Terminal No.	Color of Wire	Signal Name
1	GR	-
2	B	-
3	V	-
4	R	-

Connector No.	B26
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Color	YELLOW



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

Connector No.	B24
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
4	BG	-
9	R	-
21	GR	-

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SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

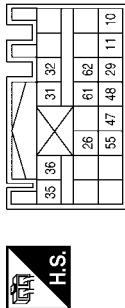
Connector No.	B38
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Color	YELLOW



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

Terminal No.	Color of Wire	Signal Name
31	Y/B	S-RH+
32	Y	S-RH-
35	G	C-RH1+, HD-RH1+
36	R	C-RH1-, HD-RH1-
47	BR	RH B-PILLAR SATELLITE SENSOR +
48	Y	RH B-PILLAR SATELLITE SENSOR -
55	SHIELD	GND
61	B	RH C-PILLAR SATELLITE SENSOR +
62	W	RH C-PILLAR SATELLITE SENSOR -

Connector No.	B37
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
10	BG	P-RH1+
11	V	P-RH1-
26	V	ODS INPUT
29	BG	RH SEAT BELT BUCKLE SWITCH+

Connector No.	B41
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Color	YELLOW



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

Connector No.	B40
Connector Name	FRONT SIDE AIR BAG SATELLITE SENSOR RH
Connector Color	YELLOW



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

Connector No.	B39
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW



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

ABHIA1205GB

SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

Connector No.	B45
Connector Name	SEAT BELT BUCKLE SWITCH RH
Connector Color	WHITE



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

Connector No.	B55
Connector Name	REAR SIDE AIR BAG SATELLITE SENSOR LH
Connector Color	YELLOW



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

Connector No.	B56
Connector Name	REAR SIDE AIR BAG SATELLITE SENSOR RH
Connector Color	YELLOW



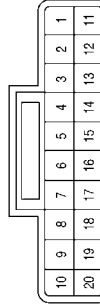
Terminal No.	Color of Wire	Signal Name
1	B	-
2	W	-

Connector No.	B350
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

Connector No.	B351
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	-	-
2	B	GND
3	LG	LOAD SENSOR FRONT INNER SIGNAL
4	R/B	LOAD SENSOR FRONT INNER GND
5	BR	LOAD SENSOR FRONT OUTER SIGNAL
6	L/B	LOAD SENSOR FRONT OUTER GND
7	GR	K-LINE

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

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SRS AIR BAG SYSTEM

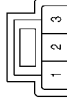
< WIRING DIAGRAM >

Connector No.	B352
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR FI
Connector Color	BLACK



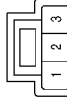
Terminal No.	Color of Wire	Signal Name
1	R/B	-
2	LG	-
3	R	-

Connector No.	B353
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR FO
Connector Color	BLACK



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

Connector No.	B354
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR RI
Connector Color	BLACK



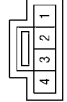
Terminal No.	Color of Wire	Signal Name
1	W/L	-
2	SB	-
3	Y	-

Connector No.	B355
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR RO
Connector Color	BLACK



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

Connector No.	D3
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

Connector No.	D11
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Color	YELLOW



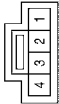
Terminal No.	Color of Wire	Signal Name
1	B	-
2	W	-

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SRS AIR BAG SYSTEM

< WIRING DIAGRAM >

Connector No.	D101	Connector No.	D111
Connector Name	WIRE TO WIRE	Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Color	YELLOW	Connector Color	YELLOW



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



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

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

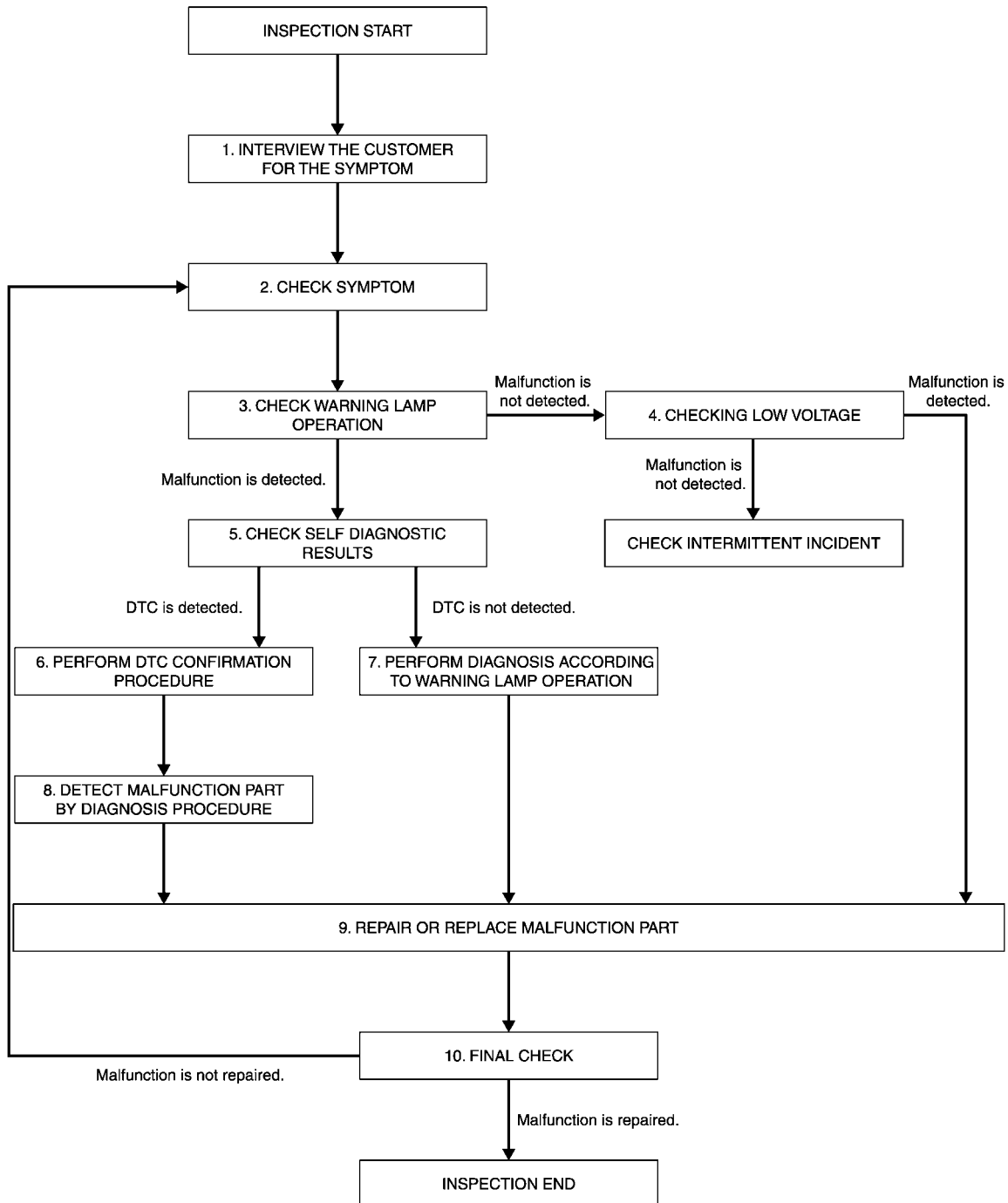
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000012430611

OVERALL SEQUENCE



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DETAILED FLOW

Revision: August 2015

SRC-36

2016 Versa Note

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 malfunction detected?

YES >> GO TO 5.

NO >> GO TO 4.

4. CHECK LOW VOLTAGE

Check low voltage with CONSULT.

Are any malfunction detected?

YES >> GO TO 9.

NO >> Check intermittent incident. Refer to [GI-42, "Intermittent Incident"](#).

5. CHECK SELF DIAGNOSTIC RESULTS

Check self diagnostic result with CONSULT or diagnosis mode.

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

NOTE:

Perform the following procedure if DTC is detected.

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

Is DTC detected?

YES >> GO TO 6.

NO >> GO TO 7.

6. PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the DTC.

>> GO TO 8.

7. PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION

1. Check air bag warning lamp operation in the user mode.
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.ON BOARD DIAGNOSIS FUNCTION

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

Is the malfunction repaired?

YES >> Inspection End.

NO >> GO TO 2.

INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

INSPECTION AND ADJUSTMENT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Description

INFOID:0000000012430612

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

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Special Repair Requirement

INFOID:0000000012430613

WORK PROCEDURE WHEN REPLACING CONTROL UNIT

1.PERFORM ZERO POINT RESET

Perform zero point reset. Refer to [SRC-39. "ZERO POINT RESET : Special Repair Requirement"](#).

Is zero point reset performed normally?

YES >> INSPECTION END

NO >> Check condition as per the following, and perform zero point reset again.

- Passenger seat is occupied by an object.
- Excessive vibration is applied while performing zero point reset.
- Occupant detection system is malfunctioning.

NOTE:

If "Incomplete" is displayed on "zero point reset current status", zero point reset is not completed normally. Check the condition as per the following and perform zero point reset again.

- Passenger seat is occupied by an object.
- Excessive vibration is applied while performing zero point reset.
- Occupant detection system is malfunctioning.

ZERO POINT RESET

ZERO POINT RESET : Description

INFOID:0000000012430614

Zero point reset is an initializing procedure for occupant detection sensor that must be performed when replacing or removing and installing passenger seat.

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

NOTE:

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

ZERO POINT RESET : Special Repair Requirement

INFOID:0000000012430615

1.PERFORM ZERO POINT RESET

1. Perform zero point reset.

NOTE:

When performing zero point reset, be careful of the items described as per the following.

- Perform zero point reset after installing passenger seat to the vehicle
- Do not put any objects on passenger seat
- Do not apply excessive vibration to the vehicle
- Do not touch the vehicle
- Do not tilt the vehicle

INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

2. Select start on "Zero point reset function" screen from, WORK SUPPORT of CONSULT "OCCUPANT DETECTION".
3. "Zero point reset" starts.

>> GO TO 2.

2.CONFIRMATION OF SETTING

1. Proceed to "Zero point reset function" screen from work support of CONSULT "OCCUPANT DETECTION".
2. Check that "Complete" or "Incomplete" is displayed on "Zero point reset status".

CAUTION:

- "Complete" is displayed on "zero point reset current status" if the seat is reinstalled by seat removal and installation, or "zero point reset" is already performed.
- "Zero point reset current status" displays "Incomplete" if a new seat is installed. When turning key switch ON without performing zero point reset, front passenger air bag OFF indicator turns ON. When zero point reset is performed, front passenger air bag OFF indicator turns OFF.
- Air bag warning lamp blinks in user mode only.
- Air bag sensor unit does not record whether or not zero point reset is performed.

Is condition "ALREADY PERFORMED"?

YES >> Print out "ZERO POINT RESET CURRENT STATUS" screen, and inspection end.

NO >> Check condition as per the following, and perform zero point reset again.

- Passenger seat is occupied by an object.
- Excessive vibration is applied while performing zero point reset.
- Occupant detection system is malfunctioning.

NOTE:

If "Incomplete" is displayed on "zero point reset current status", zero point reset is not completed normally. Check the condition as per the following and perform zero point reset again.

- Passenger seat is occupied by an object.
- Excessive vibration is applied while performing zero point reset.
- Occupant detection system is malfunctioning.

INTERMITTENT INCIDENT

< BASIC INSPECTION >

INTERMITTENT INCIDENT

Inspection Procedure

INFOID:0000000012430616

INTERMITTENT TROUBLE

An intermittent incident may have occurred in the past but is not being detected currently. This DTC will not be detected on SELF-DIAG [CURRENT], but may be viewed on SELF-DIAG [PAST] if the DTC has not been erased. Refer to [SRC-16. "Trouble Diagnosis with CONSULT"](#).

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B0001, B0002 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

B0001, B0002 DRIVER AIRBAG MODULE

DTC Logic

INFOID:0000000012430617

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
DRIVER AIRBAG MODULE CIRCUIT [OPEN]	B0001	Driver air bag module circuit (DR1) is open (including the spiral cable).	Refer to SRC-43, "Diagnosis Procedure" .
DRIVER AIRBAG MODULE CIRCUIT [VB-SHORT]		Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE CIRCUIT [GND-SHORT]		Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE CIRCUIT [SHORT]		Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [OPEN]	B0002	Driver air bag module circuit (DR2) is open (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [VB-SHORT]		Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [GND-SHORT]		Driver air bag module circuit (DR2) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [SHORT]		Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-43, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

NOTE:

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

B0001, B0002 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Is the DTC detected?

- YES >> Refer to [SRC-43, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430618

WARNING:

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

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

- YES >> GO TO 3.
NO >> Refer to [GI-42, "Intermittent Incident"](#).

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4. CHECK SPIRAL CABLE CIRCUIT

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

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	
M86	9	M30	30	Yes
	12		29	
M87	10		28	
	11		30	

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

B0001, B0002 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Driver side air bag module		Ground	Continuity
Connector	Terminal		
M86	9		No
	12		
M87	10		
	11		

Is the inspection result normal?

YES >> GO TO 5.

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

5.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 6.

NO >> Refer to [GI-42, "Intermittent Incident"](#).

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.DRIVER AIR BAG MODULE

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

Is DTC still current?

YES >> GO TO 8.

NO >> Clear DTC. Inspection End.

8.RELATED HARNESS

Replace the related harness.

>> **END**

B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B0010, B0011 PASSENGER AIRBAG MODULE

DTC Logic

INFOID:0000000012430619

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
ASSIST AIRBAG MODULE CIRCUIT [OPEN]	B0010	Front passenger air bag module circuit (AS1) is open.	Refer to SRC-45, "Diagnosis Procedure" .
ASSIST AIRBAG MODULE CIRCUIT [VB-SHORT]		Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.	
ASSIST AIRBAG MODULE CIRCUIT [GND-SHORT]		Front passenger air bag module circuit (AS1) is shorted to ground.	
ASSIST AIRBAG MODULE CIRCUIT [SHORT]		Front passenger air bag module circuits (AS1) are shorted to each other.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [OPEN]	B0011	Front passenger air bag module circuit (AS2) is open.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [VB-SHORT]		Front passenger air bag module circuit (AS2) is shorted to a power supply circuit.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [GND-SHORT]		Front passenger air bag module circuit (AS2) is shorted to ground.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [SHORT]		Front passenger air bag module circuits (AS2) are shorted to each other.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-45, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-45, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-45, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430620

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.FRONT PASSENGER AIR BAG MODULE

1. Replace the front passenger air bag module. Refer to [SR-19, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B0020 SIDE AIRBAG MODULE LH

Description

INFOID:0000000012430621

DTC B0020 FRONT LH SIDE AIR BAG MODULE

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

PART LOCATION

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

DTC Logic

INFOID:0000000012430622

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE AIRBAG MODULE LH CIRCUIT [OPEN]	B0020	Front LH side air bag module circuit is open.	Refer to SRC-47, "Diagnosis Procedure" .
SIDE AIRBAG MODULE LH CIRCUIT [VB-SHORT]		Front LH side air bag module circuit is shorted to a power supply circuit.	
SIDE AIRBAG MODULE LH CIRCUIT [GND-SHORT]		Front LH side air bag module circuit is shorted to ground.	
SIDE AIRBAG MODULE LH CIRCUIT [SHORT]		Front LH side air bag module circuits are shorted to each other.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-47, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-47, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-47, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430623

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.SIDE AIRBAG MODULE LH

1. Replace the side airbag module LH. Refer to [SR-24, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B0028 SIDE AIRBAG MODULE RH

Description

INFOID:0000000012430624

DTC B0028 FRONT RH SIDE AIR BAG MODULE

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

PART LOCATION

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

DTC Logic

INFOID:0000000012430625

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE AIRBAG MODULE RH CIRCUIT [OPEN]	B0028	Front RH side air bag module circuit is open.	Refer to SRC-49, "Diagnosis Procedure" .
SIDE AIRBAG MODULE RH CIRCUIT [VB-SHORT]		Front RH side air bag module circuit is shorted to a power supply circuit.	
SIDE AIRBAG MODULE RH CIRCUIT [GND-SHORT]		Front RH side air bag module circuit is shorted to ground.	
SIDE AIRBAG MODULE RH CIRCUIT [SHORT]		Front RH side air bag module circuits are shorted to each other.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430626

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.SIDE AIRBAG MODULE RH

1. Replace the side airbag module RH. Refer to [SR-24, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B0021 SIDE CURTAIN AIR BAG MODULE LH

DTC Logic

INFOID:000000012430627

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
CURTAIN AIRBAG MODULE LH CIRCUIT [OPEN]	B0021	LH side curtain air bag module circuit is open.	Refer to SRC-51, "Diagnosis Procedure" .
CURTAIN AIRBAG MODULE LH CIRCUIT [VB-SHORT]		LH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN AIRBAG MODULE LH CIRCUIT [GND-SHORT]		LH side curtain air bag module circuit is shorted to ground.	
CURTAIN AIRBAG MODULE LH CIRCUIT [SHORT]		LH side curtain air bag module circuits are shorted to each other.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

Diagnosis Procedure

INFOID:000000012430628

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 in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

- Visible damage: Replace the harness.

B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

- 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-42, "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-42, "Intermittent Incident"](#).

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

6.SIDE CURTAIN AIR BAG MODULE LH

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

Is DTC still current?

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

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B0029 SIDE CURTAIN AIR BAG MODULE RH

DTC Logic

INFOID:0000000012430629

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
CURTAIN AIRBAG MODULE RH CIRCUIT [OPEN]	B0029	RH side curtain air bag module circuit is open.	Refer to SRC-53, "Diagnosis Procedure" .
CURTAIN AIRBAG MODULE RH CIRCUIT [VB-SHORT]		RH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN AIRBAG MODULE RH CIRCUIT [GND-SHORT]		RH side curtain air bag module circuit is shorted to ground.	
CURTAIN AIRBAG MODULE RH CIRCUIT [SHORT]		RH side curtain air bag module circuits are shorted to each other.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-53, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-53, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-53, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430630

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 in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

- Visible damage: Replace the harness.

B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

- 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-42, "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-42, "Intermittent Incident"](#).

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

6. SIDE CURTAIN AIR BAG MODULE RH

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

Is DTC still current?

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

7. RELATED HARNESS

Replace the related harness.

>> **END**

B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

B1430 SEAT BELT PRE-TENSIONER

DTC Logic

INFOID:0000000012430631

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
FRONT PRE-TEN LH CIRCUIT [OPEN]	B1430	LH seat belt pre-tensioner circuit is open.	Refer to SRC-55, "Diagnosis Procedure" .
FRONT PRE-TEN LH CIRCUIT [VB-SHORT]		LH seat belt pre-tensioner circuit is shorted to a power supply circuit.	
FRONT PRE-TEN LH CIRCUIT [GND-SHORT]		LH seat belt pre-tensioner circuit is shorted to ground.	
FRONT PRE-TEN LH CIRCUIT [SHORT]		LH seat belt pre-tensioner circuits are shorted to each other.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-55, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-55, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-55, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430632

1.HARNESS CONNECTOR

Check the harness connector for the following:

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

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

B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6. SEAT BELT PRE-TENSIONER LH

1. Replace the seat belt pre-tensioner LH. Refer to [SR-34, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

B1431 SEAT BELT PRE-TENSIONER

DTC Logic

INFOID:0000000012430633

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
FRONT PRE-TEN RH CIRCUIT [OPEN]	B1431	RH seat belt pre-tensioner circuit is open.	Refer to SRC-57, "Diagnosis Procedure" .
FRONT PRE-TEN RH CIRCUIT [VB-SHORT]		RH seat belt pre-tensioner circuit is shorted to a power supply circuit.	
FRONT PRE-TEN RH CIRCUIT [GND-SHORT]		RH seat belt pre-tensioner circuit is shorted to ground.	
FRONT PRE-TEN RH CIRCUIT [SHORT]		RH seat belt pre-tensioner circuits are shorted to each other.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430634

1.HARNESS CONNECTOR

Check the harness connector for the following:

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

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.

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

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-42, "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-42, "Intermittent Incident"](#).

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6. SEAT BELT PRE-TENSIONER RH

1. Replace the seat belt pre-tensioner RH. Refer to [SR-34, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS >

B1428 SEAT BELT BUCKLE SWITCH LH

Description

INFOID:0000000012430635

DTC B1428 SEAT BELT BUCKLE SWITCH LH

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

PART LOCATION

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

DTC Logic

INFOID:0000000012430636

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SEAT BELT BUCKLE SW LH CIRCUIT [OPEN]	B1428	Seat belt buckle switch LH circuit is open.	Refer to SRC-59, "Diagnosis Procedure" .
SEAT BELT BUCKLE SW LH CIRCUIT [VB-SHORT]		Seat belt buckle switch LH circuit is shorted to a power supply circuit.	
SEAT BELT BUCKLE SW LH CIRCUIT [GND-SHORT]		Seat belt buckle switch LH circuit is shorted to ground.	
SEAT BELT BUCKLE SW LH CIRCUIT [UNDEFINED]		Seat belt buckle switch LH circuit is malfunctioning.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-59, "Diagnosis Procedure"](#).
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to [SRC-59, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-59, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430637

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS >

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5.SEAT BELT BUCKLE LH

1. Replace the seat buckle LH. Refer to [SR-35, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B1429 SEAT BELT BUCKLE SWITCH RH

< DTC/CIRCUIT DIAGNOSIS >

B1429 SEAT BELT BUCKLE SWITCH RH

Description

INFOID:0000000012430638

DTC B1429 SEAT BELT BUCKLE SWITCH RH

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

PART LOCATION

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

DTC Logic

INFOID:0000000012430639

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SEAT BELT BUCKLE SW RH CIRCUIT [OPEN]	B1429	Seat belt buckle switch RH circuit is open.	Refer to SRC-61, "Diagnosis Procedure" .
SEAT BELT BUCKLE SW RH CIRCUIT [VB-SHORT]		Seat belt buckle switch RH circuit is shorted to a power supply circuit.	
SEAT BELT BUCKLE SW RH CIRCUIT [GND-SHORT]		Seat belt buckle switch RH circuit is shorted to ground.	
SEAT BELT BUCKLE SW RH CIRCUIT [UNDEFINED]		Seat belt buckle switch RH circuit is malfunctioning.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-61, "Diagnosis Procedure"](#).
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to [SRC-61, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-61, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430640

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

B1429 SEAT BELT BUCKLE SWITCH RH

< DTC/CIRCUIT DIAGNOSIS >

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5.SEAT BELT BUCKLE RH

1. Replace the seat buckle RH. Refer to [SR-35, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B0094 CRASH ZONE SENSOR

DTC Logic

INFOID:0000000012430641

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
CRASH ZONE SENSOR [SENSOR FAIL]	B0094	Crash zone sensor has malfunctioned.	Refer to SRC-63, "Diagnosis Procedure" .
CRASH ZONE SENSOR [COMM FAIL]		Crash zone sensor communication error.	
CRASH ZONE SENSOR [DISCONNECT]		Crash zone sensor is disconnected.	
CRASH ZONE SENSOR [UNMATCH]		Crash zone sensor is out of specification.	
CRASH ZONE SENSOR [GND-SHORT]		Crash zone sensor circuit is shorted to ground.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-63, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-63, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430642

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.

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

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

2.CONFIRM DTC

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

Is DTC still current?

- YES >> GO TO 3.
NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5.CRASH ZONE SENSOR

1. Replace the crash zone sensor. Refer to [SR-24, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B0093 FRONT DOOR SATELLITE SENSOR LH

DTC Logic

INFOID:0000000012430643

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
DOOR SATELLITE SENSOR LH [SENSOR FAIL]	B0093	Front door satellite sensor LH has malfunctioned.	Refer to SRC-65, "Diagnosis Procedure" .
DOOR SATELLITE SENSOR LH [COMM FAIL]		Front door satellite sensor LH communication error.	
DOOR SATELLITE SENSOR LH [DISCONNECT]		Front door satellite sensor LH is disconnected.	
DOOR SATELLITE SENSOR LH [UNMATCH]		Front door satellite sensor LH is out of specification.	
DOOR SATELLITE SENSOR LH [GND-SHORT]		Front door satellite sensor LH circuit is shorted to ground.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-65, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-65, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-65, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430644

Recheck SRS after each replacement.

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).

B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

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

2.CONFIRM DTC

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

Is DTC still current?

- YES >> GO TO 3.
NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5.FRONT DOOR SATELLITE SENSOR LH

1. Replace the front door satellite sensor LH. Refer to [SR-26, "Removal and Installation - Front Door Satellite Sensor"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B0098 FRONT DOOR SATELLITE SENSOR RH

DTC Logic

INFOID:0000000012430645

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
DOOR SATELLITE SENSOR RH [SENSOR FAIL]	B0098	Front door satellite sensor RH has malfunctioned.	Refer to SRC-67, "Diagnosis Procedure" .
DOOR SATELLITE SENSOR RH [COMM FAIL]		Front door satellite sensor RH communication error.	
DOOR SATELLITE SENSOR RH [DISCONNECT]		Front door satellite sensor RH is disconnected.	
DOOR SATELLITE SENSOR RH [UNMATCH]		Front door satellite sensor RH is out of specification.	
DOOR SATELLITE SENSOR RH [GND-SHORT]		Front door satellite sensor RH circuit is shorted to ground.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-67, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-67, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-67, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430646

Recheck SRS after each replacement.

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).

B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5.FRONT DOOR SATELLITE SENSOR LH

1. Replace the front door satellite sensor LH. Refer to [SR-26, "Removal and Installation - Front Door Satellite Sensor"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B1500 DOOR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B1500 DOOR SATELLITE SENSOR

DTC Logic

INFOID:0000000012430647

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
DOOR SATELLITE SENSOR [LOWER LIMIT ERR]	B1500	Lower limit value malfunction of front door satellite sensor LH or RH.	Refer to SRC-69, "Diagnosis Procedure" .
DOOR SATELLITE SENSOR [UPPER LIMIT ERR]		Upper limit value malfunction of front door satellite sensor LH or RH.	
DOOR SATELLITE SENSOR [PERFORM ERR/INCRCT OPE]		Malfunction of front door satellite sensor LH or RH.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-69, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-69, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430648

Recheck SRS after each replacement.

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.

B1500 DOOR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

- 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-42, "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-42, "Intermittent Incident"](#).

5.FRONT DOOR SATELLITE SENSOR LH AND RH

1. Replace the front door satellite sensor LH and RH. Refer to [SR-26, "Removal and Installation - Front Door Satellite Sensor"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

Description

INFOID:0000000012430649

DTC B0091 FRONT SATELLITE SENSOR LH

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

PART LOCATION

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

DTC Logic

INFOID:0000000012430650

DTC DETECTION LOGIC

With CONSULT

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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-72, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

Diagnosis Procedure

INFOID:000000012430651

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5. FRONT SIDE AIR BAG SATELLITE SENSOR LH

1. Replace the front side air bag satellite sensor LH. Refer to [SR-27, "Removal and Installation - Front Side Air Bag Satellite Sensor"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

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B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

Description

INFOID:0000000012430652

DTC B0096 FRONT SATELLITE SENSOR RH

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

PART LOCATION

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

DTC Logic

INFOID:0000000012430653

DTC DETECTION LOGIC

With CONSULT

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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-75, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

Diagnosis Procedure

INFOID:000000012430654

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5. FRONT SIDE AIR BAG SATELLITE SENSOR RH

1. Replace the front side air bag satellite sensor RH. Refer to [SR-27, "Removal and Installation - Front Side Air Bag Satellite Sensor"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

Description

INFOID:0000000012430655

DTC B0092 REAR SATELLITE SENSOR LH

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

PART LOCATION

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

DTC Logic

INFOID:0000000012430656

DTC DETECTION LOGIC

With CONSULT

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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-78, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

Diagnosis Procedure

INFOID:000000012430657

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

2. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3

NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5. REAR SIDE AIR BAG SATELLITE SENSOR LH

1. Replace the rear side air bag satellite sensor LH. Refer to [SR-28, "Removal and Installation - Rear Side Air Bag Satellite Sensor"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

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B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

Description

INFOID:0000000012430658

DTC B0097 REAR SATELLITE SENSOR RH

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

PART LOCATION

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

DTC Logic

INFOID:0000000012430659

DTC DETECTION LOGIC

With CONSULT

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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-81, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

Diagnosis Procedure

INFOID:000000012430660

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3

NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5. REAR SIDE AIR BAG SATELLITE SENSOR RH

1. Replace the rear side air bag satellite sensor RH. Refer to [SR-28, "Removal and Installation - Rear Side Air Bag Satellite Sensor"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B00A0 OCS SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

B00A0 OCS SYSTEM

Description

INFOID:0000000012430661

DTC B00A0 OCCUPANT CLASSIFICATION SYSTEM (OCS)

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

PART LOCATION

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

DTC Logic

INFOID:0000000012430662

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
OCCUPANT DETECTION SENSOR UNIT [UNIT FAIL]	B00A0	The OCS control unit is malfunctioning.	Refer to SRC-84, "Diagnosis Procedure" .
OCCUPANT DETECTION SENSOR UNIT [NO DATA]			
OCCUPANT DETECTION SENSOR UNIT [UNDEFINED]			
OCCUPANT DETECTION SENSOR UNIT [RESET FAIL]			
OCCUPANT DETECTION SENSOR [UNIT FAIL]		The OCS sensor is malfunctioning.	
OCCUPANT DETECTION SENSOR [POWER FAIL]		The OCS sensor circuit is malfunctioning.	
OCCUPANT DETECTION SENSOR UNIT [COMM FAIL]		Communication between the OCS control unit and the air bag diagnosis sensor unit is interrupted.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-84, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

B00A0 OCS SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

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

Is the DTC detected?

- YES >> Refer to [SRC-84, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430663

Recheck SRS after each corrective action.

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

- YES >> GO TO 3.
NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5. REPLACE OCCUPANT DETECTION SYSTEM CONTROL UNIT

1. Replace the occupant detection system control unit. Refer to [SR-32, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).

B00A0 OCS SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

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

Is DTC still current?

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

7.RELATED HARNESS

Replace the related harness.

>> **END**

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B14XX AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B14XX AIR BAG DIAGNOSIS SENSOR UNIT

Description

INFOID:0000000012430664

DTC B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

The air bag diagnosis sensor unit will run self diagnostics when the ignition switch is turned ON. It has the potential to set many diagnostic trouble codes which will conform to the B1XXX format, but will not match any other SRS diagnostic trouble codes. Refer to [SRC-16, "CONSULT Function \(AIR BAG\)"](#).

DTC Logic

INFOID:0000000012430665

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CONTROL UNIT [UNIT FAIL]	B14XX	Air bag diagnosis sensor unit is malfunctioning.	Refer to SRC-86, "Diagnosis Procedure" .
AIRBAG DISPOSAL COMPLETION			

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-86, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-86, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-86, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430666

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).

B14XX AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

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

2.CONFIRM DTC

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

Is DTC still current?

- YES >> GO TO 3.
- NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

6.RELATED HARNESS

Replace the related harness.

>> **END**

B00D2 FRONT PASSENGER AIR BAG ON INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

B00D2 FRONT PASSENGER AIR BAG ON INDICATOR

DTC Logic

INFOID:000000012430667

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PASS A/B INDCTR CKT [UNIT MALFUNC]	B00D2	Malfunction in front passenger air bag ON indicator circuit.	Refer to SRC-88, "Diagnosis Procedure" .
PASS A/B INDCTR CKT [GND-SHORT]		Front passenger air bag ON indicator circuit is shorted to ground.	
PASS A/B INDCTR CKT [VB-SHORT]		Front passenger air bag ON indicator circuit is shorted to power supply circuit.	
PASS A/B INDCTR CKT [OPEN]		Front passenger air bag ON indicator circuit is open.	
PASS A/B INDCTR CKT [PWE-SHORT/OPEN]		Front passenger air bag ON indicator circuit is open or shorted to power supply circuit.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

Diagnosis Procedure

INFOID:000000012430668

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

B00D2 FRONT PASSENGER AIR BAG ON INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5.PASSENGER AIR BAG OFF INDICATOR

1. Replace the passenger air bag off indicator. Refer to [SR-36, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

DTC Logic

INFOID:0000000012430669

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PASSENGER AIRBAG INDICATOR CIRCUIT [FAIL]	B00D5	Front passenger air bag OFF indicator is malfunctioning.	Refer to SRC-90, "Diagnosis Procedure" .
PASSENGER AIRBAG INDICATOR CIRCUIT [OPEN]		Front passenger air bag OFF indicator circuit is open.	
PASSENGER AIRBAG INDICATOR CIRCUIT [VB-SHORT]		Front passenger air bag OFF indicator is shorted to a power supply circuit.	
PASSENGER AIRBAG INDICATOR CIRCUIT [GND-SHORT]		Front passenger air bag OFF indicator is shorted to ground.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

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

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430670

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?

B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

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

2.CONFIRM DTC

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

Is DTC still current?

- YES >> GO TO 3.
NO >> Refer to [GI-42, "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-42, "Intermittent Incident"](#).

5.PASSENGER AIR BAG OFF INDICATOR

1. Replace the passenger air bag off indicator. Refer to [SR-36, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

7.RELATED HARNESS

Replace the related harness.

>> **END**

B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

B142A IGNITION VOLTAGE

Description

INFOID:0000000012430671

DTC B142A IGNITION VOLTAGE

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

PART LOCATION

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

DTC Logic

INFOID:0000000012430672

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
IGN VOLTAGE [LOW]	B142A	Ignition voltage low at air bag diagnosis sensor unit.	Refer to SRC-92, "Diagnosis Procedure" .
IGN VOLTAGE [HIGH]		Ignition voltage high at air bag diagnosis sensor unit.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to [SRC-92, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430673

NOTE:

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

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3.AIR BAG DIAGNOSIS SENSOR UNIT

B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

Replace the air bag diagnosis sensor unit. Refer to [SR-30. "Removal and Installation"](#).

>> GO TO 4

4. RELATED HARNESS

Replace the related harness.

>> **END**

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U1000 CAN COMM CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

U1000 CAN COMM CIRCUIT

Description

INFOID:0000000012430674

CAN (Controller Area Network) is a serial communication system for real time application. It is an on-vehicle multiplex communication system with high data communication speed and excellent error detection ability. Many electronic control units are equipped into vehicles, and each control unit shares information and links with other control units during operation. With CAN communication, control units are connected with two communication lines (CAN-H line, CAN-L line) allowing a high rate of information transmission with less wiring. Each control unit transmits and receives data but selectively reads required data only. Refer to [LAN-30, "CAN COMMUNICATION SYSTEM : CAN Communication Signal Chart"](#).

DTC Logic

INFOID:0000000012430675

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
CAN COMMUNICATION FAILURE	U1000	When air bag diagnosis sensor unit is not transmitting or receiving CAN communication signals for 2 or more seconds.	Refer to SRC-94, "Diagnosis Procedure" .

DTC CONFIRMATION PROCEDURE

1.PERFORM SELF-DIAGNOSIS

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

Is DTC detected?

- YES >> Refer to [SRC-94, "Diagnosis Procedure"](#).
NO >> Refer to [GI-42, "Intermittent Incident"](#).

Diagnosis Procedure

INFOID:0000000012430676

1.CHECK CAN COMMUNICATION SYSTEM

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

>> Inspection End.

U1010 CONTROL UNIT (CAN)

< DTC/CIRCUIT DIAGNOSIS >

U1010 CONTROL UNIT (CAN)

Description

INFOID:0000000012430677

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

DTC Logic

INFOID:0000000012430678

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
CAN CONTROL UNIT FAILURE	U1010	CAN communication error is detected in control unit.	Refer to SRC-95, "Diagnosis Procedure" .

DTC CONFIRMATION PROCEDURE

1.PERFORM SELF-DIAGNOSIS

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

Is DTC detected?

- YES >> Refer to [SRC-95, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430679

1.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).

>> Inspection End.

B142X COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

B142X COLLISION DETECTION

Description

INFOID:0000000012430680

DTC B142X COLLISION DETECTION

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

PART LOCATION

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

DTC Logic

INFOID:0000000012430681

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FRONTAL COLLISION DETECTION	B1421	Frontal collision detected. Driver and/or front passenger air bag modules are deployed.	Refer to SR-5, "For Frontal Collision" .
SIDE COLLISION DETECTION	B1422	Side collision detected. Curtain air bag module and seat belt pre-tensioner are deployed.	Refer to SR-7, "For Side and Rollover Collision" .

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

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

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012430682

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

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:0000000012430683

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

Check the deployment of air bag module.

Is air bag module deployed?

YES >> Replace the malfunctioning parts.

NO >> GO TO 2.

2.CHECK AIR BAG FUSE

Check 10 A fuse [No.7, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace the fuse.

3.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace harness connectors.

4.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace wiring harness.

5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).

2. Check air bag warning lamp operation.

Is the inspection result normal?

YES >> Inspection End.

NO >> GO TO 6.

6.REPLACE COMBINATION METER

1. Replace combination meter. Refer to [MWI-54, "Removal and Installation"](#) (type A) or [MWI-115, "Removal and Installation"](#) (type B).

2. Check air bag warning lamp operation.

Is the inspection result normal?

YES >> Inspection End.

NO >> GO TO 1.

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:000000012430684

1.CHECK COMBINATION METER POWER SUPPLY AND GROUND CIRCUIT

Check combination meter unit power supply and ground circuit. Refer to [MWI-43, "COMBINATION METER : Diagnosis Procedure"](#) (type A) or [MWI-98, "COMBINATION METER : Diagnosis Procedure"](#) (type B).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace harness connectors.

3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace wiring harness.

4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

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

Does air bag warning lamp turn ON?

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).

NO >> Replace combination meter. Refer to [MWI-54, "Removal and Installation"](#) (type A) or [MWI-115, "Removal and Installation"](#) (type B).

SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

SEAT BELT WARNING SYSTEM

Seat Belt Warning System Does Not Function

INFOID:0000000012430685

1. SEAT BELT WARNING LIGHT

Turn ignition switch ON.

Does the seat belt warning lamp come ON?

YES >> GO TO 2.

- NO >>
- Check 10A fuse [No. 8, located in the fuse block (J/B)].
 - Check seat belt buckle switch (driver seat).
 - Check harness between combination meter and seat belt buckle switch (driver seat).
 - Check combination meter. Refer to [MWI-11, "METER SYSTEM : Fail-safe"](#) (type A) or [MWI-62, "METER SYSTEM : Fail-safe"](#) (type B).

2. SEAT BELT BUCKLE (DRIVER SEAT)

Fasten the seat belt buckle (driver seat).

Does the seat belt warning lamp go OFF?

YES >> GO TO 3.

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

3. OCCUPANT CLASSIFICATION SYSTEM

Have a helper sit in the passenger seat.

Does the seat belt warning lamp go ON?

YES >> GO TO 4.

- NO >>
- Check occupant classification system. Refer to [SRC-11, "OCCUPANT CLASSIFICATION SYSTEM : System Description"](#).
 - Check harness between occupant classification control unit and air bag diagnosis sensor unit.

4. SEAT BELT BUCKLE (PASSENGER SEAT)

Fasten the seat belt buckle (passenger seat).

Does the seat belt warning lamp go OFF?

YES >> System OK.

- NO >>
- Check seat belt buckle switch (passenger seat).
 - Check harness between seat belt buckle switch (passenger seat) and air bag diagnosis sensor unit.
 - Replace air bag diagnosis sensor unit. Refer to [SR-30, "Removal and Installation"](#).