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SECTION

SRC

SRS AIRBAG CONTROL SYSTEM

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

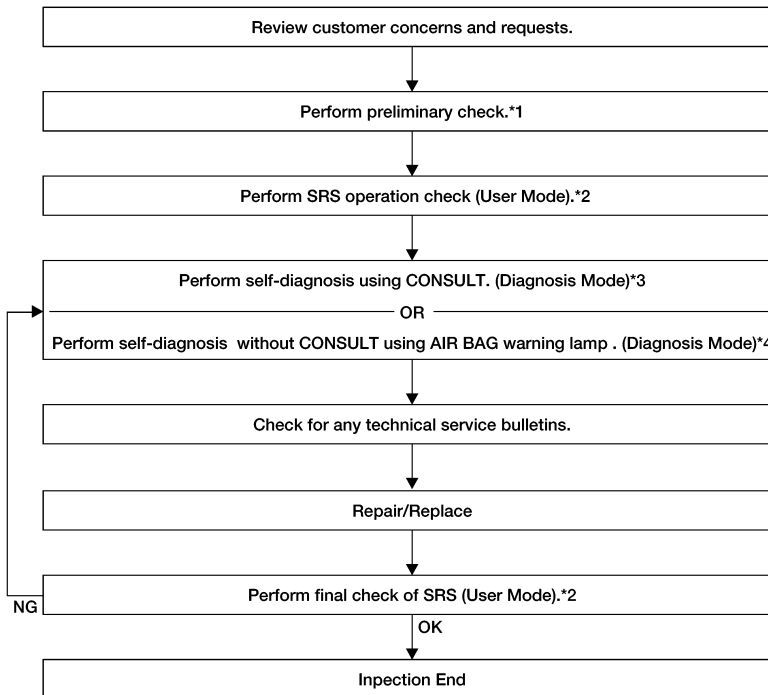
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000011560962

OVERALL SEQUENCE



AWHIA0336GB

*1 [SRC-15. "Trouble Diagnosis Introduction"](#)

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

*3 [SRC-17. "CONSULT Function \(AIR BAG\)"](#)

*4 [SRC-17. "Self-Diagnosis Function \(Without CONSULT\)"](#)

DETAILED WORK FLOW

1.CUSTOMER INFORMATION

Get detailed information from the customer about the symptom.

>> GO TO 2.

2.PRELIMINARY CHECK

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

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

>> GO TO 3.

3.USER MODE

Perform self-diagnosis using the AIR BAG warning lamp in User mode. Refer to [SRC-15, "SRS Operation Check"](#).

>> GO TO 4.

4.SELF-DIAGNOSIS

Perform "Self Diagnostic Result". Refer to [SRC-17, "CONSULT Function \(AIR BAG\)"](#) (with CONSULT) or [SRC-17, "Trouble Diagnosis without CONSULT"](#) (without CONSULT).

>> GO TO 5.

5.TECHNICAL SERVICE BULLETINS

Check for technical service bulletins.

>> GO TO 6.

6.REPLACE PART

Replace the malfunctioning part.

>> GO TO 7.

7.FINAL CHECK

Check SRS using Diagnosis mode and User mode.

Does Diagnosis mode and User mode indicate SRS normal?

YES >> Inspection end.

NO >> GO TO 4.

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INTERMITTENTS INCIDENT

< BASIC INSPECTION >

INTERMITTENTS INCIDENT

Inspection Procedure

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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] using CONSULT.

Trouble Diagnosis with CONSULT

INFOID:0000000011560964

DIAGNOSTIC PROCEDURE 4

Check SRS Repair History

1. CONSIDER POSSIBILITY THAT SELF-DIAGNOSTIC RESULT WAS NOT ERASED AFTER REPAIR

Check repair history of the SRS.

Have any previous repairs been made to the SRS?

- Yes >> Self-diagnostic result SELF-DIAG [PAST] (previously stored in the memory) might not be erased after repair. Go to DIAGNOSTIC PROCEDURE 3. Refer to [SRC-17, "Self-Diagnosis Function \(Without CONSULT\)"](#).
- No >> Go to DIAGNOSTIC PROCEDURE 2. Refer to [SRC-15, "SRS Operation Check"](#).

SRS AIR BAG SYSTEM

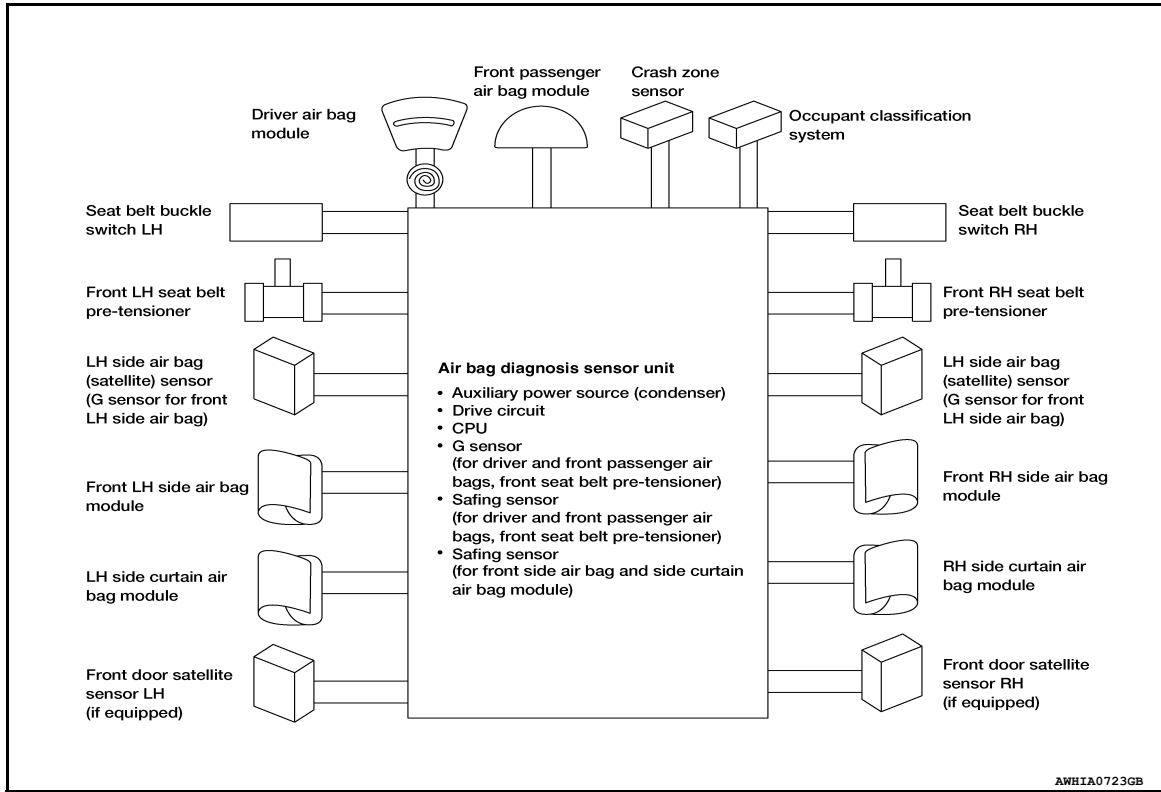
< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

SRS Configuration

INFOID:0000000011560965



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 configurations for some collision modes are as follows:

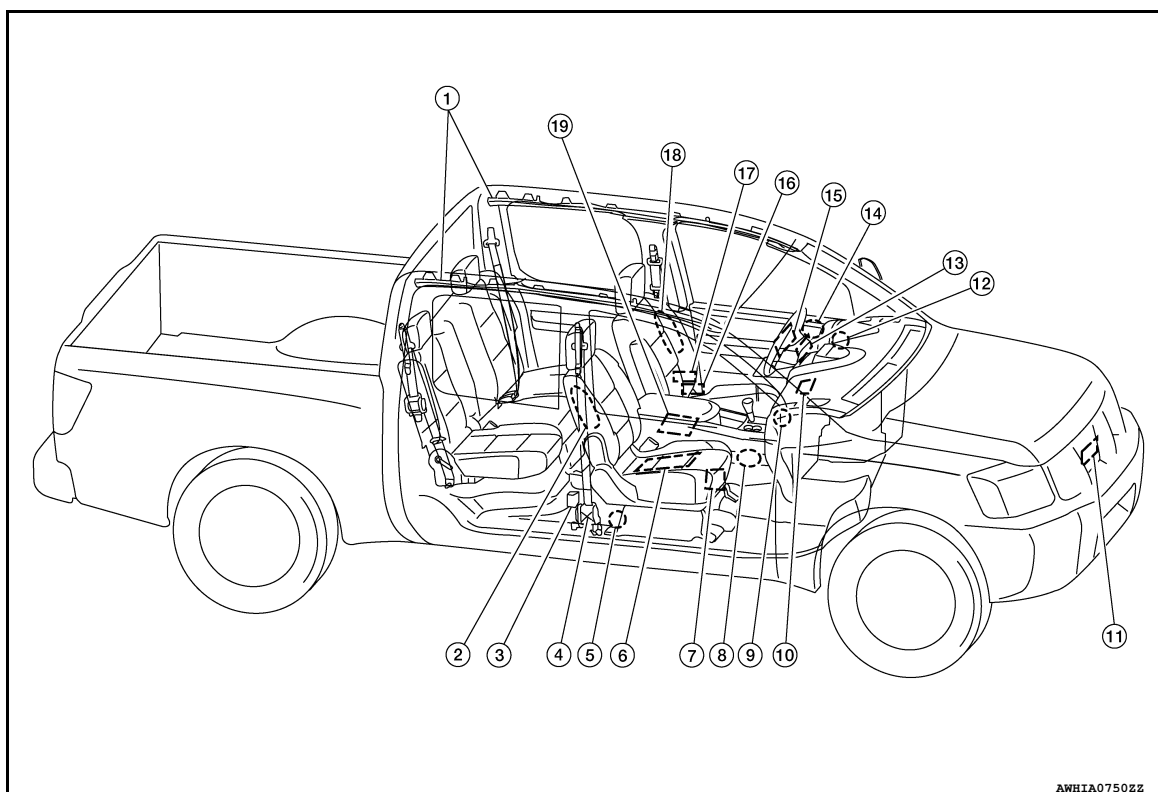
SRS configuration	Frontal collision	Left side collision	Right side collision	Rollover
Driver air bag module	×	—	—	—
Front passenger air bag module	×	—	—	—
Front LH seat belt pre-tensioner	×	—	—	×
Front RH seat belt pre-tensioner	×	—	—	×
Front LH side air bag module	—	×	—	—
Front RH side air bag module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

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

SRS Component Parts Location

INFOID:000000011560966

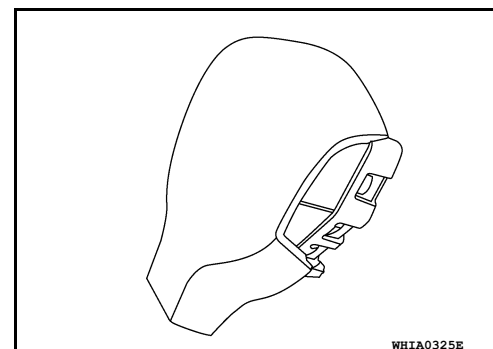


- | | | |
|--|--|--|
| 1. Side curtain air bag modules | 2. Front RH side air bag module | 3. RH side air bag (satellite) sensor |
| 4. Front RH seatbelt pre-tensioner | 5. Belt tension sensor | 6. Occupant classification system sensor |
| 7. Occupant classification system control unit | 8. Front door satellite sensor RH (if equipped) | 9. Front passenger air bag off indicator |
| 10. Front passenger air bag module | 11. Crash zone sensor | 12. Air bag warning lamp |
| 13. Spiral cable | 14. Front door satellite sensor LH (if equipped) | 15. Driver air bag module |
| 16. Front LH seatbelt pre-tensioner | 17. LH side air bag (satellite) sensor | 18. Front LH side air bag module |
| 19. Air bag diagnosis sensor unit | | |

Driver Air Bag Module

INFOID:000000011560967

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



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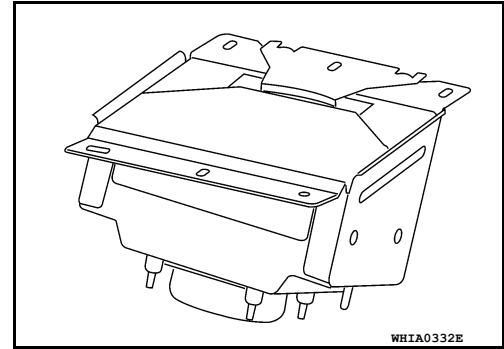
SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

Front Passenger Air Bag Module

INFOID:0000000011560968

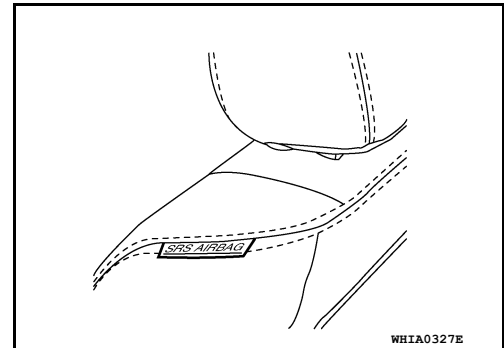
The front passenger air bag module is dual stage and located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to [SRC-12, "Occupant Classification System \(OCS\)"](#) for more information.



Front Side Air Bag

INFOID:0000000011560969

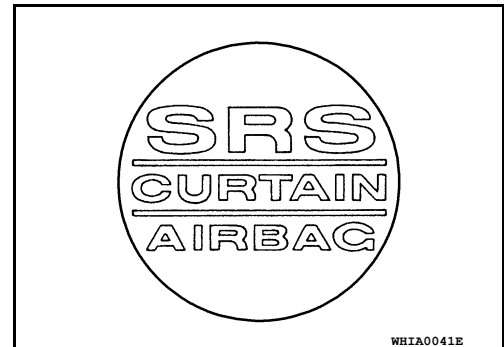
Front side air bag modules are built into the front seatback assemblies. Vehicles with side air bags are equipped with labels as shown.



Side Curtain Air Bag

INFOID:0000000011560970

Side curtain air bag modules are located above the vehicle headlining. Vehicles with side curtain air bags are equipped with labels as shown.



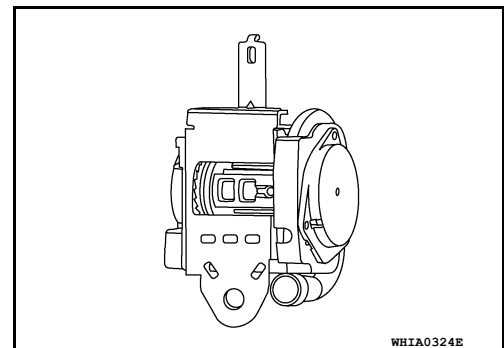
Front Seat Belt Pre-tensioner with Load Limiter

INFOID:0000000011560971

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 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.



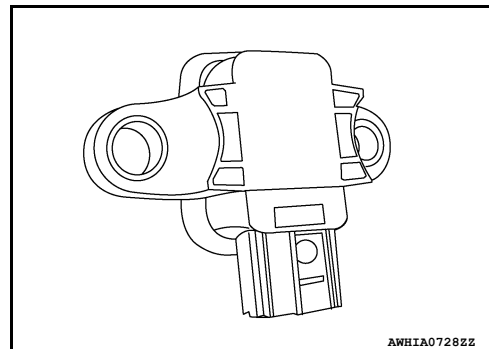
SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

Front Door Satellite Sensor

INFOID:000000011869390

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.



Direct-connect SRS Component Connectors

INFOID:000000011560972

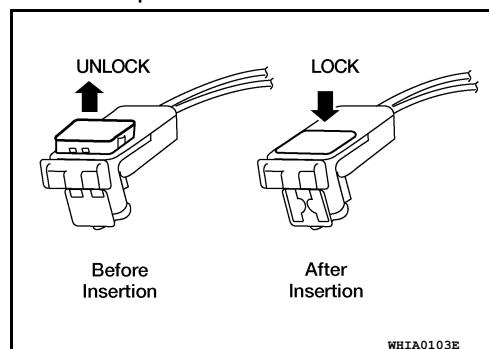
DIRECT CONNECT

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

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

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

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



SLIDE DOUBLE LOCKING

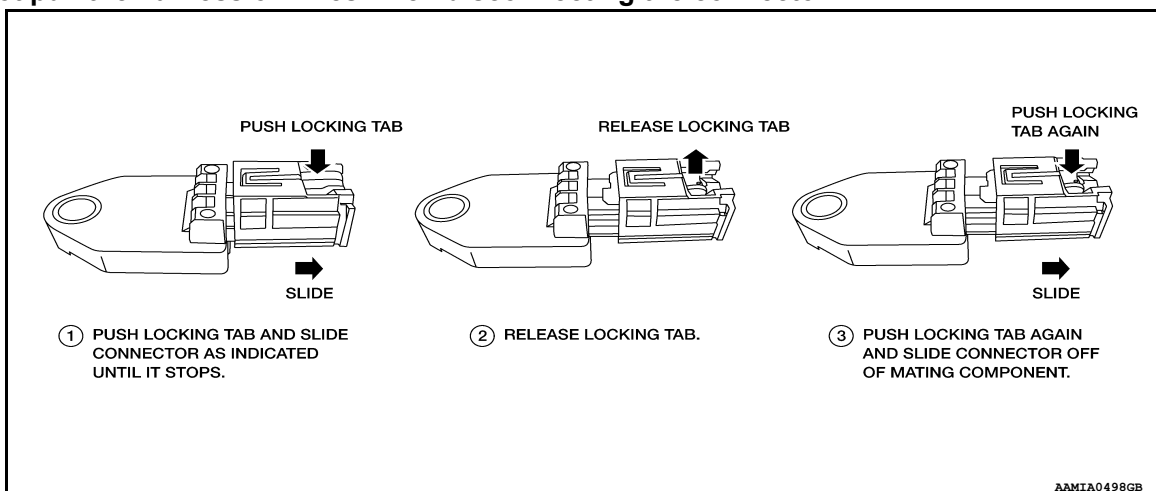
- A new style slide double locking type connector is used on certain systems and components, especially those related to airbag control systems.
- The slide double locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide double locking type connectors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

CAUTION:

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

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



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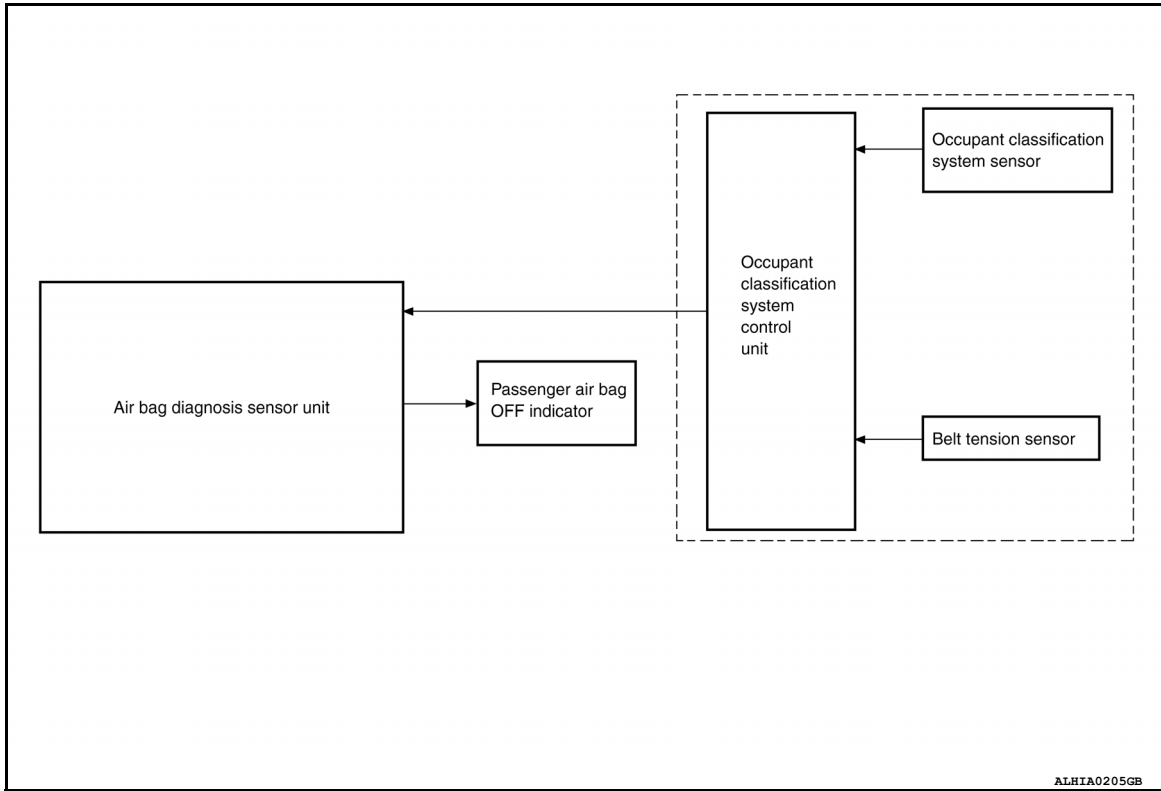
OCCUPANT CLASSIFICATION SYSTEM

< SYSTEM DESCRIPTION >

OCCUPANT CLASSIFICATION SYSTEM

System Diagram

INFOID:0000000011560973



Occupant Classification System (OCS)

INFOID:0000000011560974

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 receives inputs from the occupant classification sensor (located inside the passenger seat cushion assembly) and belt tension sensor (part of the passenger front seat belt assembly and located at the belt anchor location). 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.

NOTE:

In case of customer concern, CONSULT can be used to confirm the passenger air bag status (readiness).

Passenger Air Bag Status Conditions

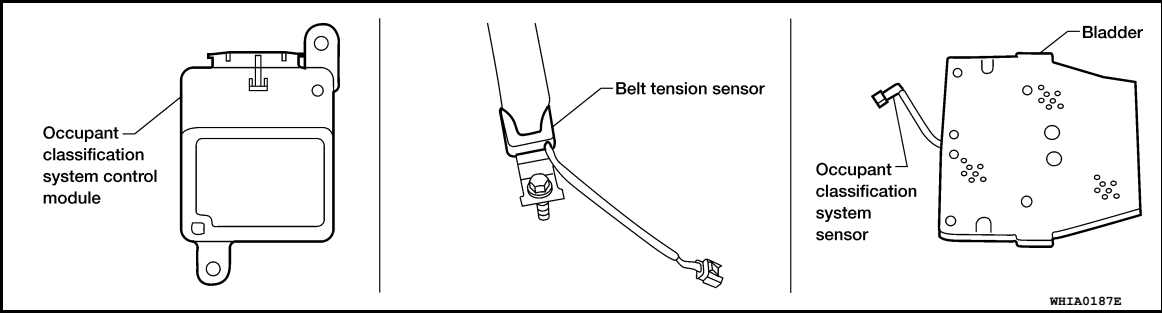
Front Passenger Seat (Condition)	PASS AIR BAG OFF Indicator (Status)	Passenger Air Bag Status (Readiness)	CONSULT Display
Seat occupied	OFF	Active (enabled)	ON
Seat occupied ^{NOTE}	ON	Deactivated (disabled)	OFF
Seat empty	OFF	Deactivated (disabled)	OFF

NOTE:

OCCUPANT CLASSIFICATION SYSTEM

< SYSTEM DESCRIPTION >

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



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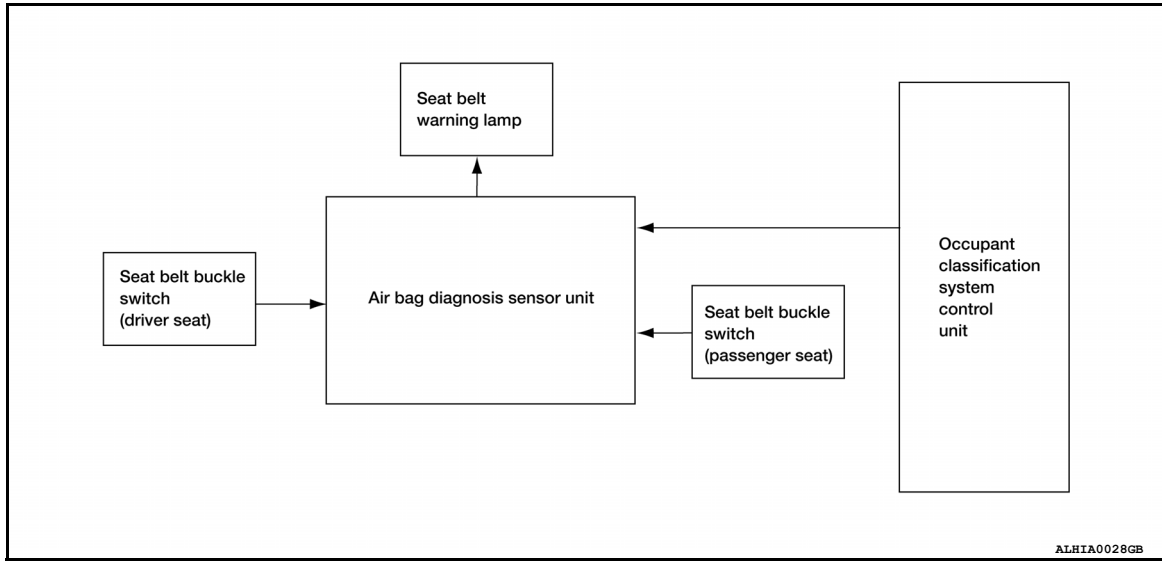
PASSENGER SEAT BELT WARNING SYSTEM

< SYSTEM DESCRIPTION >

PASSENGER SEAT BELT WARNING SYSTEM

System Diagram

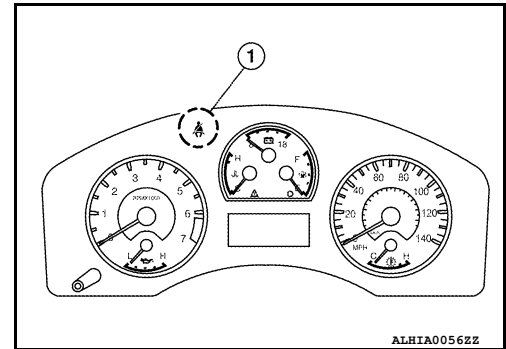
INFOID:0000000011560975



System Description

INFOID:0000000011560976

The passenger seat belt warning system will remind the driver if the driver or front passenger seat belt should be buckled by turning on the seat belt warning light (1). The system works in conjunction with the occupant classification system. Refer to [SRC-12, "Occupant Classification System \(OCS\)"](#).



Passenger 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

Component Parts Location

INFOID:0000000011560977

Refer to [SRC-8, "SRS Component Parts Location"](#).

ON BOARD DIAGNOSTIC (OBD) SYSTEM

< SYSTEM DESCRIPTION >

ON BOARD DIAGNOSTIC (OBD) SYSTEM

Trouble Diagnosis Introduction

INFOID:0000000011560978

CAUTION:

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

DIAGNOSIS FUNCTION

The SRS self-diagnosis results can be read by using 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 follows:

	User mode	Diagnosis mode	Display type
AIR BAG warning lamp	X	X	ON-OFF operation
CONSULT	—	X	Monitoring

HOW TO PERFORM TROUBLE DIAGNOSES FOR QUICK AND ACCURATE REPAIR

A good understanding of the malfunction conditions can make troubleshooting faster and more accurate.

In general, each customer feels differently about a malfunction. It is important to fully understand the symptoms or conditions for a customer complaint.

Information From Customer

WHAT - Vehicle model

WHEN - Date, Frequencies

WHERE - Road conditions

HOW - Operating conditions, Symptoms

Preliminary Check

Check that the following parts are in good order:

- Battery (Refer to [PG-76, "How to Handle Battery".](#))
- Fuse (Refer to [SRC-83, "Wiring Diagram".](#))
- System component-to-harness connections

SRS Operation Check

INFOID:0000000011560979

DIAGNOSTIC PROCEDURE 1

Checking SRS Operation Using AIR BAG Warning Lamp—User Mode

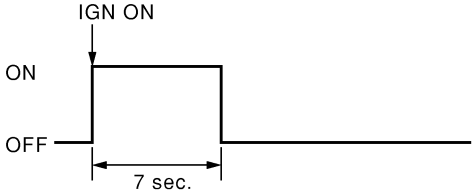
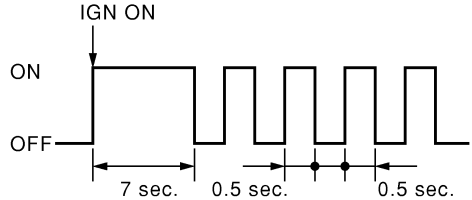
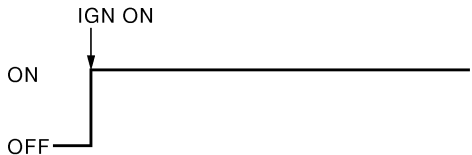
1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.
2. Compare the SRS air bag warning lamp blinking pattern with the examples.



ON BOARD DIAGNOSTIC (OBD) SYSTEM

< SYSTEM DESCRIPTION >

SRS Air bag warning lamp examples

AIR BAG warning lamp (User mode)	SRS condition	Reference item
 SHIA0011E	- No malfunction is detected. - No further action is necessary.	—
 SHIA0012E	The system is malfunctioning and needs to be repaired as indicated.	Go to DIAGNOSTIC PROCEDURE 2 that follows (with CONSULT) or SRC-17, "Trouble Diagnosis without CONSULT" (without CONSULT).
 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.	Go to COLLISION DIAGNOSIS SR-4, "For Frontal Collision" or SR-6, "For Side and Rollover Collision" . Go to SRC-94, ""AIR BAG" Warning Lamp Does Not Turn Off" .
 SHIA0014E	- Air bag diagnosis sensor unit is malfunctioning. - Air bag warning lamp circuit is malfunctioning.	Go to SRC-94, ""AIR BAG" Warning Lamp Does Not Turn On" .

DIAGNOSTIC PROCEDURE 2

1. Connect CONSULT.
2. Diagnostic code is displayed on SELF-DIAG [CURRENT].
If no malfunction is detected on SELF-DIAG [CURRENT], but malfunction is detected in SRS Operation Check using the AIR BAG warning lamp, the following cases may exist:
 - SELF-DIAG [PAST] memory might not be erased.
 - The SRS system malfunctions intermittently.
 Perform DIAGNOSTIC PROCEDURE 4. Refer to [SRC-17, "Self-Diagnosis Function \(Without CONSULT\)"](#).

ON BOARD DIAGNOSTIC (OBD) SYSTEM

< SYSTEM DESCRIPTION >

Trouble Diagnosis without CONSULT

INFOID:0000000011560980

DIAGNOSTIC PROCEDURE 6

Inspect SRS Malfunction Using AIR BAG Warning Lamp—Diagnosis Mode

NOTE:

SRS will not enter Diagnosis mode if no malfunction is detected in User mode.

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

SRS is now in Diagnosis mode. Refer to [SRC-17, "Trouble Diagnosis without CONSULT"](#).

CONSULT Function (AIR BAG)

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

AIR BAG diagnostic mode	Description
SELF-DIAG [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.
SELF-DIAG [PAST]	Diagnosis results previously stored in the memory are displayed on the CONSULT screen. The stored results will remain until memory erasing is executed.
TROUBLE DIAG RECORD	With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on the CONSULT screen.
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.
PASSENGER AIR BAG	The STATUS (readiness) of the front passenger air bag module is displayed. The STATUS displayed (ON/OFF) depends on the signals supplied to the occupant classification system control module and air bag diagnosis sensor unit. Refer to SRC-12, "Occupant Classification System (OCS)" for more information.

Self-Diagnosis Function (Without CONSULT)

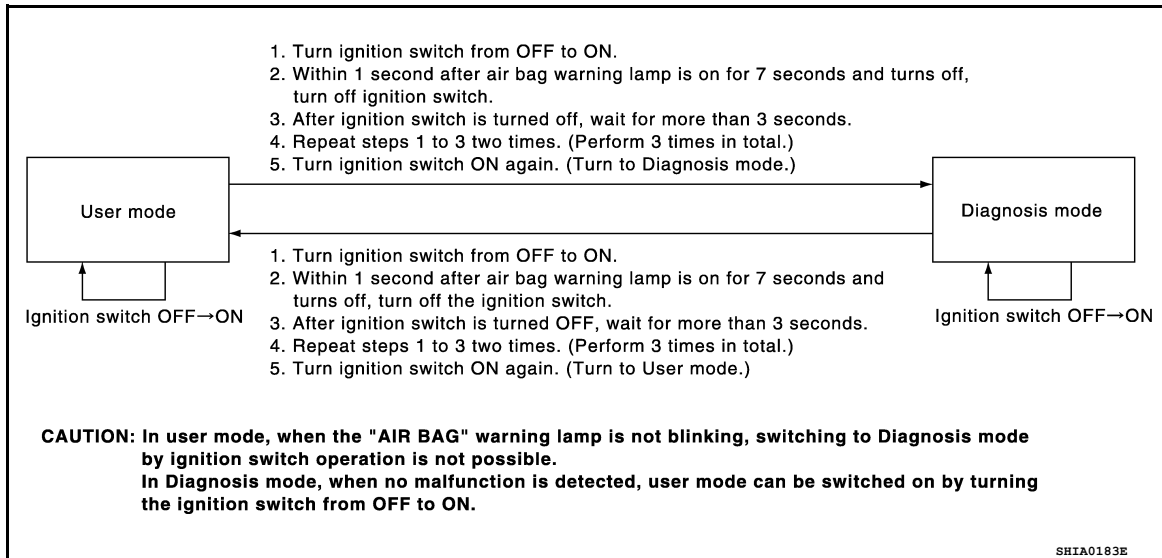
INFOID:0000000011560982

- The reading of these results is accomplished using one of two modes —User mode and Diagnosis mode.
- After a malfunction is repaired, turn the ignition switch OFF for at least one second, then back ON. Diagnosis mode returns to the User mode. At that time, the self-diagnostic result is cleared.

ON BOARD DIAGNOSTIC (OBD) SYSTEM

< SYSTEM DESCRIPTION >

HOW TO CHANGE SELF-DIAGNOSIS MODE



DIAGNOSTIC PROCEDURE 3

Final Check of SRS Using CONSULT—Diagnosis Mode

1. Connect CONSULT.
2. If no DTC is detected on SELF-DIAG [CURRENT], repair of SRS is completed. Go to step 3.
If any DTC is detected on SELF-DIAG [CURRENT], the malfunctioning part has not been repaired completely or another malfunctioning part is being detected. Perform DIAGNOSTIC PROCEDURE 2. Refer to [SRC-15, "SRS Operation Check"](#).
3. Touch ERASE.
NOTE:
Touch ERASE to clear the memory of the malfunction (SELF-DIAG [PAST]).
If the memory of the malfunction in SELF-DIAG [PAST] is not erased, the User mode shows the system malfunction by the operation of the warning lamp even if the malfunction is repaired completely.
4. Touch BACK key of CONSULT. Touch SELF-DIAG [PAST].
5. Check that no malfunction is detected on SELF-DIAG [PAST].
6. Touch BACK key of CONSULT to return to User mode from Diagnosis mode.
7. Turn ignition switch OFF and then turn off and disconnect CONSULT.
8. Go to [SRC-15, "SRS Operation Check"](#).

DIAGNOSTIC PROCEDURE 4

Check SRS Repair History

1. CONSIDER POSSIBILITY THAT SELF-DIAGNOSTIC RESULT WAS NOT ERASED AFTER REPAIR

Check repair history of the SRS.

Have any previous repairs been made to the SRS?

- Yes >> Self-diagnostic result SELF-DIAG [PAST] (previously stored in the memory) might not be erased after repair. Perform DIAGNOSTIC PROCEDURE 3. Refer to [SRC-17, "Self-Diagnosis Function \(Without CONSULT\)"](#).
- No >> Perform DIAGNOSTIC PROCEDURE 2. Refer to [SRC-15, "SRS Operation Check"](#).

U1000 CAN COMM CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

Description

INFOID:0000000011885524

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-51, "CAN Communication Signal Chart"](#).

DTC Logic

INFOID:0000000011885525

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
CAN COMM CIRCUIT	U1000	When air bag diagnosis sensor unit is not transmitting or receiving CAN communication signals for 2 or more seconds.	Refer to SRC-19, "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-19, "Diagnosis Procedure"](#).
NO >> Refer to [GI-44, "Intermittent Incident"](#).

Diagnosis Procedure

INFOID:0000000011885526

1.CHECK CAN COMMUNICATION SYSTEM

Check CAN communication system. Refer to [LAN-14, "Trouble Diagnosis Flow Chart"](#).

>> Inspection End.

U1010 CONTROL UNIT (CAN)

< DTC/CIRCUIT DIAGNOSIS >

U1010 CONTROL UNIT (CAN)

Description

INFOID:0000000011885527

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:0000000011885528

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
CONTROL UNIT (CAN)	U1010	CAN communication error is detected in control unit.	Refer to SRC-20. "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-20. "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885529

1.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to [SR-25. "Removal and Installation"](#).

>> Inspection End.

B0001, B0002 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B0001, B0002 DRIVER AIRBAG MODULE

Description

INFOID:0000000011885530

DTC B0001, B0002 DRIVER AIRBAG MODULE

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

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885531

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
DRIVER AIRBAG MODULE [OPEN]	B0001	Driver air bag module circuit (DR1) is open (including the spiral cable).	Refer to SRC-22, "Diagnosis Procedure" .
DRIVER AIRBAG MODULE [VB-SHORT]		Driver air bag module circuit (DR1) is short to power (including the spiral cable).	
DRIVER AIRBAG MODULE [GND-SHORT]		Driver air bag module circuit (DR1) is short to ground (including the spiral cable).	
DRIVER AIRBAG MODULE [SHORT]		Driver air bag module circuits (DR1) are short to each other (including the spiral cable).	
DRIVER AIRBAG MODULE 2 [OPEN]	B0002	Driver air bag module circuit (DR2) is open (including the spiral cable).	
DRIVER AIRBAG MODULE 2 [VB-SHORT]		Driver air bag module circuit (DR2) is short to power (including the spiral cable).	
DRIVER AIRBAG MODULE 2 [GND-SHORT]		Driver air bag module circuit (DR2) is short to ground (including the spiral cable).	
DRIVER AIRBAG MODULE 2 [SHORT]		Driver air bag module circuits (DR2) are short to each other (including the spiral cable).	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-22, "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-22, "Diagnosis Procedure"](#).

B0001, B0002 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

- YES >> Refer to [SRC-22, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885532

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-44, "Intermittent Incident"](#).

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4.CHECK SPIRAL CABLE CIRCUIT

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

Driver air bag module		Spiral cable		Continuity
Connector	Terminal	Connector	Terminal	
M101	10	M29	30	Yes
	11		23	
M103	12		28	
	13		23	

B0001, B0002 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

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

Driver air bag module			Continuity
Connector	Terminal		
M101	10	Ground	No
	11		
M103	12		
	13		

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace the spiral cable. Refer to [SR-13, "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-44, "Intermittent Incident"](#).

6.AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.DRIVER AIR BAG MODULE

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

Is DTC still current?

YES >> GO TO 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

Description

INFOID:0000000011885533

DTC B0010, B0011 ASSIST A/B MODULE

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

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885534

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
ASSIST A/B MODULE [OPEN]	B0010	Front passenger air bag module circuit (AS1) is open.	Refer to SRC-25, "Diagnosis Procedure" .
ASSIST A/B MODULE [VB-SHORT]		Front passenger air bag module circuit (AS1) is short to power.	
ASSIST A/B MODULE [GND-SHORT]		Front passenger air bag module circuit (AS1) is short to ground.	
ASSIST A/B MODULE [SHORT]		Front passenger air bag module circuits (AS1) are short to each other.	
ASSIST A/B MODULE 2 [OPEN]	B0011	Front passenger air bag module circuit (AS2) is open.	
ASSIST A/B MODULE 2 [VB-SHORT]		Front passenger air bag module circuit (AS2) is short to power.	
ASSIST A/B MODULE 2 [GND-SHORT]		Front passenger air bag module circuit (AS2) is short to ground.	
ASSIST A/B MODULE 2 [SHORT]		Front passenger air bag module circuits (AS2) are short 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-25, "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-25, "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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

- YES >> Refer to [SRC-25. "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885535

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

- YES >> GO TO 3.
NO >> Refer to [GI-44. "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-44. "Intermittent Incident"](#).

5. AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

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

6. FRONT PASSENGER AIR BAG MODULE

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

Is DTC still current?

B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

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

Description

INFOID:0000000011885548

DTC B0094 CRASH ZONE SENS

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

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885549

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CRASH ZONE SENS [RESET]	B0094	Crash zone sensor reset malfunction.	Refer to SRC-28, "Diagnosis Procedure" .
CRASH ZONE SENS [COMM ERR]		Crash zone sensor communication malfunction.	
CRASH ZONE SENS [OPEN]		Crash zone sensor circuit open.	
CRASH ZONE SENS [UNMATCH]		Crash zone sensor out of specification.	
CRASH ZONE SENS [OFFSET ERR]		Crash zone sensor offset malfunction.	
CRASH ZONE SENS [SELF-DIAG ERR]		Crash zone sensor diagnosis malfunction.	
CRASH ZONE SENS [LOWER LIMIT ERR]		Crash zone sensor lower limit value malfunction.	
CRASH ZONE SENS [UPPER LIMIT ERR]		Crash zone sensor upper limit value malfunction.	
CRASH ZONE SENS [GND-SHORT]		Crash zone sensor circuit short 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-28, "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-28, "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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

- YES >> Refer to [SRC-28, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885550

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-44, "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-44, "Intermittent Incident"](#).

5. CRASH ZONE SENSOR

1. Replace the crash zone sensor. 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 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

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

7.RELATED HARNESS

Replace the related harness.

>> END

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SRC

B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B0020 SIDE AIRBAG MODULE LH

Description

INFOID:0000000011885551

DTC B0020 SIDE A/B MODULE LH

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-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885552

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE A/B MODULE LH [OPEN]	B0020	Front LH side air bag module circuit is open.	Refer to SRC-30, "Diagnosis Procedure" .
SIDE A/B MODULE LH [VB-SHORT]		Front LH side air bag module circuit is short to power.	
SIDE A/B MODULE LH [GND-SHORT]		Front LH side air bag module circuit is short to ground.	
SIDE A/B MODULE LH [SHORT]		Front LH side air bag module circuits are short 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-30, "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-30, "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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-30, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885553

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal

B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

- Loose terminal
- Poor connection

A

NOTE:

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

B

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

C

2.CONFIRM DTC

D

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

E

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-44, "Intermittent Incident"](#).

F

3.WIRING HARNESS

Check the wiring harness for visible damage.

G

NOTE:

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

SRC

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

I

4.CONFIRM DTC

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

J

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-44, "Intermittent Incident"](#).

K

5.AIR BAG DIAGNOSIS SENSOR UNIT

L

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

M

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

N

6.SIDE AIR BAG MODULE LH

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

O

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

P

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B0021 SIDE CURTAIN AIR BAG MODULE LH

Description

INFOID:0000000011885536

DTC B0021 CURTAIN A/B MODULE LH

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

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885537

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CURTAIN A/B MODULE LH [OPEN]	B0021	LH side rear curtain air bag module circuit is open.	Refer to SRC-32, "Diagnosis Procedure" .
CURTAIN A/B MODULE LH [VB-SHORT]		LH side rear curtain air bag module circuit is short to power.	
CURTAIN A/B MODULE LH [GND-SHORT]		LH side rear curtain air bag module circuit is short to ground.	
CURTAIN A/B MODULE LH [SHORT]		LH side rear curtain air bag module circuits are short 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-32, "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-32, "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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-32, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885538

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal

B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

- Loose terminal
- Poor connection

A

NOTE:

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

B

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

C

2.CONFIRM DTC

D

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

E

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-44, "Intermittent Incident"](#).

F

3.WIRING HARNESS

Check the wiring harness for visible damage.

G

NOTE:

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

SRC

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

I

4.CONFIRM DTC

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

J

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-44, "Intermittent Incident"](#).

K

5.AIR BAG DIAGNOSIS SENSOR UNIT

L

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

M

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

N

6.FRONT SIDE CURTAIN AIR BAG MODULE LH

1. Replace the LH side rear curtain air bag module. Refer to [SR-18, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

O

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

P

7.RELATED HARNESS

Replace the related harness.

>> END

B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B0028 SIDE AIRBAG MODULE RH

Description

INFOID:0000000011885554

DTC B0028 SIDE A/B MODULE RH

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-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885555

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE A/B MODULE RH [OPEN]	B0028	Front RH side air bag module circuit is open.	Refer to SRC-34, "Diagnosis Procedure" .
SIDE A/B MODULE RH [VB-SHORT]		Front RH side air bag module circuit is short to power.	
SIDE A/B MODULE RH [GND-SHORT]		Front RH side air bag module circuit is short to ground.	
SIDE A/B MODULE RH [SHORT]		Front RH side air bag module circuits are short 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-34, "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-34, "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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-34, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885556

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal

B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

- Loose terminal
- Poor connection

A

NOTE:

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

B

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

C

2.CONFIRM DTC

D

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

E

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-44, "Intermittent Incident"](#).

F

3.WIRING HARNESS

Check the wiring harness for visible damage.

G

NOTE:

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

SRC

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

I

4.CONFIRM DTC

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

J

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-44, "Intermittent Incident"](#).

K

5.AIR BAG DIAGNOSIS SENSOR UNIT

L

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

M

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

N

6.SIDE AIR BAG MODULE RH

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

O

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

P

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B0029 SIDE CURTAIN AIR BAG MODULE RH

Description

INFOID:0000000011885539

DTC B0029 CURTAIN A/B MODULE RH

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

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885540

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CURTAIN A/B MODULE RH [OPEN]	B0029	RH side rear curtain air bag module circuit is open.	Refer to SRC-36, "Diagnosis Procedure" .
CURTAIN A/B MODULE RH [VB-SHORT]		RH side rear curtain air bag module circuit is short to power.	
CURTAIN A/B MODULE RH [GND-SHORT]		RH side rear curtain air bag module circuit is short to ground.	
CURTAIN A/B MODULE RH [SHORT]		RH side rear curtain air bag module circuits are short 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-36, "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-36, "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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-36, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885541

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

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

A

NOTE:

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

B

Is the inspection result normal?

YES >> GO TO 2.

C

NO >> Perform one of the following repairs:

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

D

2.CONFIRM DTC

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

E

Is DTC still current?

YES >> GO TO 3.

F

NO >> Refer to [GI-44, "Intermittent Incident"](#).

3.WIRING HARNESS

G

Check the wiring harness for visible damage.

NOTE:

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

SRC

Is the inspection result normal?

YES >> GO TO 4.

I

NO >> Replace the harness.

4.CONFIRM DTC

J

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

Is DTC still current?

YES >> GO TO 5.

K

NO >> Refer to [GI-44, "Intermittent Incident"](#).

5.AIR BAG DIAGNOSIS SENSOR UNIT

L

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

M

Is DTC still current?

YES >> GO TO 6.

N

NO >> Clear DTC. Inspection End.

6.FRONT SIDE CURTAIN AIR BAG MODULE RH

O

1. Replace the RH side rear curtain air bag module. Refer to [SR-18, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

P

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

Description

INFOID:0000000011885542

DTC B1430 PRE-TEN FRONT LH

The front LH seat belt pre-tensioner 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 seat belt pre-tensioner.

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885543

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PRE-TEN FRONT LH [OPEN]	B1430	Front LH seat belt pre-tensioner circuit is open.	Refer to SRC-38, "Diagnosis Procedure" .
PRE-TEN FRONT LH [VB-SHORT]		Front LH seat belt pre-tensioner circuit is short to power.	
PRE-TEN FRONT LH [GND-SHORT]		Front LH seat belt pre-tensioner circuit is short to ground.	
PRE-TEN FRONT LH [SHORT]		Front LH seat belt pre-tensioner circuits are short 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-38, "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-38, "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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-38, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885544

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal

B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

- Loose terminal
- Poor connection

A

NOTE:

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

B

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

C

2.CONFIRM DTC

D

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

E

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-44, "Intermittent Incident"](#).

F

3.WIRING HARNESS

Check the wiring harness for visible damage.

G

NOTE:

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

SRC

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

I

4.CONFIRM DTC

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

J

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-44, "Intermittent Incident"](#).

K

5.AIR BAG DIAGNOSIS SENSOR UNIT

L

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

M

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

N

6.FRONT LH SEAT BELT PRE-TENSIONER

1. Replace the front LH seat belt pre-tensioner. Refer to [SR-24, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

O

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

P

7.RELATED HARNESS

Replace the related harness.

>> END

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

B1431 SEAT BELT PRE-TENSIONER

Description

INFOID:0000000011885545

DTC B1431 PRE-TEN FRONT RH

The front RH seat belt pre-tensioner 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 seat belt pre-tensioner.

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885546

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PRE-TEN FRONT RH [OPEN]	B1431	Front RH seat belt pre-tensioner circuit is open.	Refer to SRC-40, "Diagnosis Procedure" .
PRE-TEN FRONT RH [VB-SHORT]		Front RH seat belt pre-tensioner circuit is short to power.	
PRE-TEN FRONT RH [GND-SHORT]		Front RH seat belt pre-tensioner circuit is short to ground.	
PRE-TEN FRONT RH [SHORT]		Front RH seat belt pre-tensioner circuits are short 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-40, "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-40, "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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-40, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885547

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

- Loose terminal
- Poor connection

A

NOTE:

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

B

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

C

2.CONFIRM DTC

D

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

E

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-44, "Intermittent Incident"](#).

F

3.WIRING HARNESS

Check the wiring harness for visible damage.

G

NOTE:

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

SRC

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

I

4.CONFIRM DTC

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

J

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-44, "Intermittent Incident"](#).

K

5.AIR BAG DIAGNOSIS SENSOR UNIT

L

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

M

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

N

6.FRONT RH SEAT BELT PRE-TENSIONER

1. Replace the front RH seat belt pre-tensioner. Refer to [SR-24, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

O

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

P

7.RELATED HARNESS

Replace the related harness.

>> END

B0022 CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B0022 CURTAIN AIR BAG MODULE

Description

INFOID:0000000011885579

DTC B0022 FR CURTN A/B MODULE LH

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

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885580

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FR CURTN A/B MODULE LH [OPEN]	B0022	LH side front curtain air bag module circuit is open.	Refer to SRC-42, "Diagnosis Procedure" .
FR CURTN A/B MODULE LH [VB-SHORT]		LH side front curtain air bag module circuit is short to power.	
FR CURTN A/B MODULE LH [GND-SHORT]		LH side front curtain air bag module circuit is short to ground.	
FR CURTN A/B MODULE LH [SHORT]		LH side front curtain air bag module circuits are short 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-42, "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-42, "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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-42, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885581

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal

B0022 CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

- Loose terminal
- Poor connection

A

NOTE:

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

B

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

C

2.CONFIRM DTC

D

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

E

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to [GI-44, "Intermittent Incident"](#).

F

3.WIRING HARNESS

Check the wiring harness for visible damage.

G

NOTE:

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

SRC

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

I

4.CONFIRM DTC

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

J

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to [GI-44, "Intermittent Incident"](#).

K

5.AIR BAG DIAGNOSIS SENSOR UNIT

L

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

M

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

N

6.FRONT SIDE CURTAIN AIR BAG MODULE LH

1. Replace the LH side front curtain air bag module. Refer to [SR-18, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

O

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

P

7.RELATED HARNESS

Replace the related harness.

>> **END**

B002A CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B002A CURTAIN AIR BAG MODULE

Description

INFOID:0000000011885582

DTC B002A FR CURTAIN AIRBAG MODULE RH CIRCUIT

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

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885583

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FR CURTAIN AIRBAG MODULE RH [OPEN]	B002A	RH side front curtain air bag module circuit is open.	Refer to SRC-44, "Diagnosis Procedure" .
FR CURTAIN AIRBAG MODULE RH [VB-SHORT]		RH side front curtain air bag module circuit is short to power.	
FR CURTAIN AIRBAG MODULE RH [GND-SHORT]		RH side front curtain air bag module circuit is short to ground.	
FR CURTAIN AIRBAG MODULE RH [SHORT]		RH side front curtain air bag module circuits are short 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-44, "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-44, "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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-44, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885584

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

B002A CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

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

A

NOTE:

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

B

Is the inspection result normal?

YES >> GO TO 2.

C

NO >> Perform one of the following repairs:

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

D

2.CONFIRM DTC

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

E

Is DTC still current?

YES >> GO TO 3.

F

NO >> Refer to [GI-44, "Intermittent Incident"](#).

3.WIRING HARNESS

G

Check the wiring harness for visible damage.

NOTE:

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

SRC

Is the inspection result normal?

YES >> GO TO 4.

I

NO >> Replace the harness.

4.CONFIRM DTC

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

J

Is DTC still current?

YES >> GO TO 5.

K

NO >> Refer to [GI-44, "Intermittent Incident"](#).

5.AIR BAG DIAGNOSIS SENSOR UNIT

L

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

M

Is DTC still current?

YES >> GO TO 6.

N

NO >> Clear DTC. Inspection End.

6.FRONT SIDE CURTAIN AIR BAG MODULE RH

1. Replace the RH side front curtain air bag module. Refer to [SR-18, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

O

Is DTC still current?

P

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

Description

INFOID:0000000011885576

DTC B0094 CRASH ZONE SENS

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

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885577

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CRASH ZONE SENS [RESET]	B0094	Crash zone sensor reset malfunction.	Refer to SRC-47, "Diagnosis Procedure" .
CRASH ZONE SENS [COMM ERR]		Crash zone sensor communication malfunction.	
CRASH ZONE SENS [OPEN]		Crash zone sensor circuit open.	
CRASH ZONE SENS [UNMATCH]		Crash zone sensor out of specification.	
CRASH ZONE SENS [OFFSET ERR]		Crash zone sensor offset malfunction.	
CRASH ZONE SENS [SELF-DIAG ERR]		Crash zone sensor diagnosis malfunction.	
CRASH ZONE SENS [LOWER LIMIT ERR]		Crash zone sensor lower limit value malfunction.	
CRASH ZONE SENS [UPPER LIMIT ERR]		Crash zone sensor upper limit value malfunction.	
CRASH ZONE SENS [GND-SHORT]		Crash zone sensor circuit short 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-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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

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

A

Diagnosis Procedure

INFOID:0000000011885578

1. HARNESS CONNECTOR

B

Visually inspect all applicable harness connectors for the following:

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

C

NOTE:

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

D

Is the inspection result normal?

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

E

F

2. CONFIRM DTC

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

G

Is DTC still current?

- YES >> GO TO 3.
NO >> Refer to [GI-44. "Intermittent Incident"](#).

SRC

3. WIRING HARNESS

I

Check the wiring harness for visible damage.

NOTE:

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

J

Is the inspection result normal?

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

K

4. CONFIRM DTC

L

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

M

Is DTC still current?

- YES >> GO TO 5.
NO >> Refer to [GI-44. "Intermittent Incident"](#).

N

5. CRASH ZONE SENSOR

1. Replace the crash zone sensor. Refer to [SR-21. "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

O

Is DTC still current?

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

P

6. AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0091 B-PILLAR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B0091 B-PILLAR SATELLITE SENSOR

Description

INFOID:0000000011885557

DTC B0091 B-PILLAR SAT SEN LH

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

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885558

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
B-PILLAR SAT SEN LH [RESET]	B0091	LH side air bag satellite sensor reset malfunction.	Refer to SRC-50, "Diagnosis Procedure" .
B-PILLAR SAT SEN LH [COMM ERR]		LH side air bag satellite sensor communication malfunction.	
B-PILLAR SAT SEN LH [OPEN]		LH side air bag satellite sensor circuit open.	
B-PILLAR SAT SEN LH [UNMATCH]		LH side air bag satellite sensor out of specification.	
B-PILLAR SAT SEN LH [OFFSET ERR]		LH side air bag satellite sensor offset malfunction.	
B-PILLAR SAT SEN LH [SELF-DIAG ERR]		LH side air bag satellite sensor diagnosis malfunction.	
B-PILLAR SAT SEN LH [LOWER LIMIT ERR]		LH side air bag satellite sensor lower limit value malfunction.	
B-PILLAR SAT SEN LH [UPPER LIMIT ERR]		LH side air bag satellite sensor upper limit value malfunction.	
B-PILLAR SAT SEN LH [GND-SHORT]		LH side air bag satellite sensor circuit short 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-50, "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-50, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-17, "Trouble Diagnosis without CONSULT"](#).

B0091 B-PILLAR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

NOTE:

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

Is the DTC detected?

- YES >> Refer to [SRC-50, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885559

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-44, "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-44, "Intermittent Incident"](#).

5. LH SIDE AIR BAG SATELLITE SENSOR

1. Replace the LH side air bag satellite sensor. Refer to [SR-22, "Removal and Installation - 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

B0091 B-PILLAR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

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

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

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B0096 B-PILLAR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B0096 B-PILLAR SATELLITE SENSOR

Description

INFOID:0000000011885560

DTC B0096 B-PILLAR SAT SEN RH

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

PART LOCATION

Refer to [SRC-8. "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885561

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
B-PILLAR SAT SEN RH [RESET]	B0096	RH side air bag satellite sensor reset malfunction.	Refer to SRC-53. "Diagnosis Procedure" .
B-PILLAR SAT SEN RH [COMM ERR]		RH side air bag satellite sensor communication malfunction.	
B-PILLAR SAT SEN RH [OPEN]		RH side air bag satellite sensor circuit open.	
B-PILLAR SAT SEN RH [UNMATCH]		RH side air bag satellite sensor is out of specification.	
B-PILLAR SAT SEN RH [OFFSET ERR]		RH side air bag satellite sensor offset malfunction.	
B-PILLAR SAT SEN RH [SELF-DIAG ERR]		RH side air bag satellite sensor diagnosis malfunction.	
B-PILLAR SAT SEN RH [LOWER LIMIT ERR]		RH side air bag satellite sensor lower limit value malfunction.	
B-PILLAR SAT SEN RH [UPPER LIMIT ERR]		RH side air bag satellite sensor upper limit value malfunction.	
B-PILLAR SAT SEN RH [GND-SHORT]		RH side air bag satellite sensor circuit short 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-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

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-17. "Trouble Diagnosis without CONSULT"](#).

B0096 B-PILLAR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885562

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-44, "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-44, "Intermittent Incident"](#).

5. RH SIDE AIR BAG SATELLITE SENSOR

1. Replace the RH side air bag satellite sensor. Refer to [SR-22, "Removal and Installation - 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

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B0096 B-PILLAR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

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

Is DTC still current?

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

7.RELATED HARNESS

Replace the related harness.

>> END

B1432 LAP PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

B1432 LAP PRE-TENSIONER

Description

INFOID:0000000011885585

DTC B1432 PRE-TEN FRONT LH2

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

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885586

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PRE-TEN FRONT LH2 [OPEN]	B1432	Seat belt buckle pre-tensioner assembly LH circuit is open.	Refer to SRC-55, "Diagnosis Procedure" .
PRE-TEN FRONT LH2 [VB-SHORT]		Seat belt buckle pre-tensioner assembly LH circuit is shorted to a power supply circuit.	
PRE-TEN FRONT LH2 [GND-SHORT]		Seat belt buckle pre-tensioner assembly LH circuit is shorted to ground.	
PRE-TEN FRONT LH2 [SHORT]		Seat belt buckle pre-tensioner assembly LH 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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885587

1.HARNESS CONNECTOR

B1432 LAP PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

2.CONFIRM DTC

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-44, "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-44, "Intermittent Incident"](#).

5.AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.SEAT BELT BUCKLE PRE-TENSIONER ASSEMBLY LH

1. Replace the seat belt buckle pre-tensioner assembly 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.

B1432 LAP PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

>> **END**

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B1433 LAP PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

B1433 LAP PRE-TENSIONER

Description

INFOID:0000000011885588

DTC B1433 PRE-TEN FRONT RH2

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

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885589

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FRONT PRE-TEN RH2 [OPEN]	B1433	Seat belt buckle pre-tensioner assembly RH circuit is open.	Refer to SRC-59, "Diagnosis Procedure" .
FRONT PRE-TEN RH2 [VB-SHORT]		Seat belt buckle pre-tensioner assembly RH circuit is shorted to a power supply circuit.	
FRONT PRE-TEN RH2 [GND-SHORT]		Seat belt buckle pre-tensioner assembly RH circuit is shorted to ground.	
FRONT PRE-TEN RH2 [SHORT]		Seat belt buckle pre-tensioner assembly RH 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-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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-59, "Diagnosis Procedure"](#).

NO >> Inspection End.

B1433 LAP PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

Diagnosis Procedure

INFOID:0000000011885590

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-44, "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-44, "Intermittent Incident"](#).

5. AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6. SEAT BELT BUCKLE PRE-TENSIONER ASSEMBLY RH

1. Replace the seat belt buckle pre-tensioner assembly 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.

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B1433 LAP PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

7.RELATED HARNESS

Replace the related harness.

>> **END**

B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

B142A IGNITION VOLTAGE

Description

INFOID:0000000011885591

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-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885592

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
IGNITION VOLTAGE [VB-LOW]	B142A	Air bag diagnosis sensor unit ignition voltage is low.	Refer to SRC-61, "Diagnosis Procedure" .
IGNITION VOLTAGE [VB-HIGH]		Air bag diagnosis sensor unit ignition voltage is high.	

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-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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-61, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885593

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3

NO >> Refer to [GI-44, "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-44, "Intermittent Incident"](#).

5.AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.RELATED HARNESS

Replace the related harness.

>> **END**

B142B IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

B142B IGNITION VOLTAGE

Description

INFOID:0000000011885572

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-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885573

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
IGNITION VOLTAGE [VB-LOW]	B142A	Air bag diagnosis sensor unit ignition voltage is low.	Refer to SRC-63, "Diagnosis Procedure" .
IGNITION VOLTAGE [VB-HIGH]		Air bag diagnosis sensor unit ignition voltage is high.	

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-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

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885574

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

B142B IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3

NO >> Refer to [GI-44, "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-44, "Intermittent Incident"](#).

5.AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.RELATED HARNESS

Replace the related harness.

>> **END**

B142X COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

B142X COLLISION DETECTION

Description

INFOID:0000000011885594

DTC B142X COLLISION

The air bag diagnosis sensor unit will set DTC B1421 or B1422 if it has detected a collision which has resulted in a deployment of one or more air bags or pre-tensioners. If either of these DTCs 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-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885595

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FRONTAL COLLISION	B1421	Frontal collision detected. Driver and/or front passenger air bag modules are deployed.	Refer to SR-4, "For Frontal Collision" .
SIDE COLLISION	B1422	Side collision detected. Curtain air bag module and seat belt pre-tensioners are deployed.	Refer to SR-6, "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-65, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885596

Refer to [SR-4, "For Frontal Collision"](#) or [SR-6, "For Side and Rollover Collision"](#).

B14XX AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B14XX AIR BAG DIAGNOSIS SENSOR UNIT

Description

INFOID:0000000011885563

DTC B14XX CONTROL UNIT

The air bag diagnosis sensor unit will run self diagnostics when the ignition switch is turned ON. It has the potential to set many diagnostic trouble codes which will conform to the B14XX format, but will not match any other SRS diagnostic trouble codes. Refer to [SRC-17, "CONSULT Function \(AIR BAG\)"](#).

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885564

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CONTROL UNIT [UNIT MALFUNC]	B14XX	Air bag diagnosis sensor unit is malfunctioning.	Refer to SRC-66, "Diagnosis Procedure" .
AIRBAG DISPOSAL DETECT			

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

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

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885565

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-44, "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-44, "Intermittent Incident"](#).

5.AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

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

6.RELATED HARNESS

Replace the related harness.

>> **END**

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B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

B00D5 PASSENGER AIR BAG OFF INDICATOR

Description

INFOID:0000000011885566

DTC B00D5 PASS A/B INDCTR CKT

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

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885567

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PASS A/B INDCTR CKT [UNIT MALFUNC]	B00D5	Front passenger air bag OFF indicator is malfunctioning.	Refer to SRC-68, "Diagnosis Procedure" .
PASS A/B INDCTR CKT [PWR-SHORT / OPEN]		Front passenger air bag OFF indicator is short to power or open.	
PASS A/B INDCTR CKT [OPEN]		Front passenger air bag OFF indicator circuit is open.	
PASS A/B INDCTR CKT [VB-SHORT]		Front passenger air bag OFF indicator is short to power.	
PASS A/B INDCTR CKT [GND-SHORT]		Front passenger air bag OFF indicator is short 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-68, "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-68, "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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-68, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885568

1.HARNESS CONNECTOR

B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

2.CONFIRM DTC

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-44. "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-44. "Intermittent Incident"](#).

5.PASSENGER AIR BAG OFF INDICATOR

1. Replace the front passenger air bag OFF indicator.
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-25. "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.

B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

>> **END**

B1018 OCCUPANT SENS

< DTC/CIRCUIT DIAGNOSIS >

B1018 OCCUPANT SENS

Description

INFOID:0000000011885364

DTC B1018 AND B1019 OCCUPANT SENS [UNIT MALFUNC]

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-8, "SRS Component Parts Location"](#).

DTC Description

INFOID:0000000011885365

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B1018	OCCUPANT SENS [UNIT MALFUNC]	Malfunction of occupant detection sensor
B1019		

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-71, "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-71, "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-7, "SRS Configuration"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-71, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885366

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

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B1018 OCCUPANT SENS

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Perform the following repairs. Then, GO TO 2.
- Visible damage: Replace the harness.
 - Loose terminal: Secure the terminal.
 - Poor connection: Secure the connection.

2.CONFIRM DTC

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

Is DTC still current?

- YES >> GO TO 3.
NO >> Clear DTC..

3.REPLACE OCS CONTROL UNIT AND SENSORS

1. Replace the OCS control unit and sensors. Refer to [SR-27. "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

- YES >> GO TO 4.
NO >> Clear DTC.

4.AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

- YES >> GO TO 5.
NO >> Clear DTC.

5.RELATED HARNESS

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

Is DTC still current?

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

6.REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to [SE-34. "Removal and Installation - Front Seat Assembly"](#).
2. Clear DTC.

>> Inspection End.

B00A0 OCS SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

B00A0 OCS SYSTEM

Description

INFOID:0000000011885569

DTC B00A0 OCCUPANT SENS

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

PART LOCATION

Refer to [SRC-8, "SRS Component Parts Location"](#).

DTC Logic

INFOID:0000000011885570

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
OCCUPANT SENS C/U [RESET]	B00A0	Occupant classification system control unit reset malfunction.	Refer to SRC-74, "Diagnosis Procedure" .
OCCUPANT SENS [ABNORMAL VOLTAGE]		Occupant classification system sensor power supply malfunction.	
OCCUPANT SENS [UNIT MALFUNC]		Occupant classification system sensor malfunction.	
OCCUPANT SENS C/U [UNIT MALFUNC]		Occupant classification system control unit circuit malfunction.	
OCCUPANT SENS C/U [COMM ERR]		Occupant classification system control unit communication malfunction.	
OCCUPANT SENS C/U [UNDEFINED]		Occupant classification system control unit undefined status.	
OCCUPANT SENS C/U [COMM ERR]		Occupant classification system control unit communication blank.	

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-74, "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-74, "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-17, "Trouble Diagnosis without CONSULT"](#).

NOTE:

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

Is the DTC detected?

B00A0 OCS SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

- YES >> Refer to [SRC-74, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011885571

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 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-44, "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-44, "Intermittent Incident"](#).

5. REPLACE OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

1. Replace the occupant classification system control unit. Refer to [SR-27, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

6. AIR BAG DIAGNOSIS SENSOR UNIT

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

B00A0 OCS SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

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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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:0000000011885522

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
CAN COMM CIRCUIT	U1000	CAN system communication failure.	Refer to SRC-20, "Diagnosis Procedure" .
CONTROL UNIT (CAN)	U1010	CAN system control unit failure.	Refer to SRC-20, "Diagnosis Procedure" .
DRIVER AIRBAG MODULE [OPEN]	B0001	Driver air bag module circuit (DR1) is open (including the spiral cable).	Refer to SRC-22, "Diagnosis Procedure"
DRIVER AIRBAG MODULE [VB-SHORT]		Driver air bag module circuit (DR1) is short to power (including the spiral cable).	
DRIVER AIRBAG MODULE [GND-SHORT]		Driver air bag module circuit (DR1) is short to ground (including the spiral cable).	
DRIVER AIRBAG MODULE [SHORT]		Driver air bag module circuits (DR1) are short to each other (including the spiral cable).	
DRIVER AIRBAG MODULE 2 [OPEN]	B0002	Driver air bag module circuit (DR2) is open (including the spiral cable).	
DRIVER AIRBAG MODULE 2 [VB-SHORT]		Driver air bag module circuit (DR2) is short to power (including the spiral cable).	
DRIVER AIRBAG MODULE 2 [GND-SHORT]		Driver air bag module circuit (DR2) is short to ground (including the spiral cable).	
DRIVER AIRBAG MODULE 2 [SHORT]		Driver air bag module circuits (DR2) are short to each other (including the spiral cable).	
ASSIST A/B MODULE [OPEN]	B0010	Front passenger air bag module circuit (AS1) is open.	Refer to SRC-25, "Diagnosis Procedure" .
ASSIST A/B MODULE [VB-SHORT]		Front passenger air bag module circuit (AS1) is short to power.	
ASSIST A/B MODULE [GND-SHORT]		Front passenger air bag module circuit (AS1) is short to ground.	
ASSIST A/B MODULE [SHORT]		Front passenger air bag module circuits (AS1) are short to each other.	
ASSIST A/B MODULE 2 [OPEN]	B0011	Front passenger air bag module circuit (AS2) is open.	
ASSIST A/B MODULE 2 [VB-SHORT]		Front passenger air bag module circuit (AS2) is short to power.	
ASSIST A/B MODULE 2 [GND-SHORT]		Front passenger air bag module circuit (AS2) is short to ground.	
ASSIST A/B MODULE 2 [SHORT]		Front passenger air bag module circuits (AS2) are short to each other.	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE A/B MODULE LH [OPEN]	B0020	Front LH side air bag module circuit is open.	Refer to SRC-28, "Diagnosis Procedure" .
SIDE A/B MODULE LH [VB-SHORT]		Front LH side air bag module circuit is short to power.	
SIDE A/B MODULE LH [GND-SHORT]		Front LH side air bag module circuit is short to ground.	
SIDE A/B MODULE LH [SHORT]		Front LH side air bag module circuits are short to each other.	
SIDE A/B MODULE RH [OPEN]	B0028	Front RH side air bag module circuit is open.	Refer to SRC-34, "Diagnosis Procedure" .
SIDE A/B MODULE RH [VB-SHORT]		Front RH side air bag module circuit is short to power.	
SIDE A/B MODULE RH [GND-SHORT]		Front RH side air bag module circuit is short to ground.	
SIDE A/B MODULE RH [SHORT]		Front RH side air bag module circuits are short to each other.	
CURTAIN A/B MODULE LH [OPEN]	B0021	LH side rear curtain air bag module circuit is open.	Refer to SRC-32, "Diagnosis Procedure" .
CURTAIN A/B MODULE LH [VB-SHORT]		LH side rear curtain air bag module circuit is short to power.	
CURTAIN A/B MODULE LH [GND-SHORT]		LH side rear curtain air bag module circuit is short to ground.	
CURTAIN A/B MODULE LH [SHORT]		LH side rear curtain air bag module circuits are short to each other.	
CURTAIN A/B MODULE RH [OPEN]	B0029	RH side rear curtain air bag module circuit is open.	Refer to SRC-30, "Diagnosis Procedure" .
CURTAIN A/B MODULE RH [VB-SHORT]		RH side rear curtain air bag module circuit is short to power.	
CURTAIN A/B MODULE RH [GND-SHORT]		RH side rear curtain air bag module circuit is short to ground.	
CURTAIN A/B MODULE RH [SHORT]		RH side rear curtain air bag module circuits are short to each other.	
FR CURTN A/B MODULE LH [OPEN]	B0022	LH side front curtain air bag module circuit is open.	Refer to SRC-42, "Diagnosis Procedure" .
FR CURTN A/B MODULE LH [VB-SHORT]		LH side front curtain air bag module circuit is short to power.	
FR CURTN A/B MODULE LH [GND-SHORT]		LH side front curtain air bag module circuit is short to ground.	
FR CURTN A/B MODULE LH [SHORT]		LH side front curtain air bag module circuits are short to each other.	
FR CURTAIN AIRBAG MODULE RH [OPEN]	B002A	RH side front curtain air bag module circuit is open.	Refer to SRC-44, "Diagnosis Procedure" .
FR CURTAIN AIRBAG MODULE RH [VB-SHORT]		RH side front curtain air bag module circuit is short to power.	
FR CURTAIN AIRBAG MODULE RH [GND-SHORT]		RH side front curtain air bag module circuit is short to ground.	
FR CURTAIN AIRBAG MODULE RH [SHORT]		RH side front curtain air bag module circuits are short to each other.	

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition	Repair order
CRASH ZONE SENS [RESET]	B0094	Crash zone sensor reset malfunction.	Refer to SRC-28, "Diagnosis Procedure" .
CRASH ZONE SENS [COMM ERR]		Crash zone sensor communication malfunction.	
CRASH ZONE SENS [OPEN]		Crash zone sensor circuit open.	
CRASH ZONE SENS [UNMATCH]		Crash zone sensor out of specification.	
CRASH ZONE SENS [OFFSET ERR]		Crash zone sensor offset malfunction.	
CRASH ZONE SENS [SELF-DIAG ERR]		Crash zone sensor diagnosis malfunction.	
CRASH ZONE SENS [LOWER LIMIT ERR]		Crash zone sensor lower limit value malfunction.	
CRASH ZONE SENS [UPPER LIMIT ERR]		Crash zone sensor upper limit value malfunction.	
CRASH ZONE SENS [GND-SHORT]		Crash zone sensor circuit short to ground.	
B-PILLAR SAT SEN LH [RESET]	B0091	LH side air bag satellite sensor reset malfunction.	Refer to SRC-50, "Diagnosis Procedure" .
B-PILLAR SAT SEN LH [COMM ERR]		LH side air bag satellite sensor communication malfunction.	
B-PILLAR SAT SEN LH [OPEN]		LH side air bag satellite sensor circuit open.	
B-PILLAR SAT SEN LH [UNMATCH]		LH side air bag satellite sensor out of specification.	
B-PILLAR SAT SEN LH [OFFSET ERR]		LH side air bag satellite sensor offset malfunction.	
B-PILLAR SAT SEN LH [SELF-DIAG ERR]		LH side air bag satellite sensor diagnosis malfunction.	
B-PILLAR SAT SEN LH [LOWER LIMIT ERR]		LH side air bag satellite sensor lower limit value malfunction.	
B-PILLAR SAT SEN LH [UPPER LIMIT ERR]		LH side air bag satellite sensor upper limit value malfunction.	
B-PILLAR SAT SEN LH [GND-SHORT]		LH side air bag satellite sensor circuit short to ground.	
B-PILLAR SAT SEN RH [RESET]	B0096	RH side air bag satellite sensor reset malfunction.	Refer to SRC-53, "Diagnosis Procedure" .
B-PILLAR SAT SEN RH [COMM ERR]		RH side air bag satellite sensor communication malfunction.	
B-PILLAR SAT SEN RH [OPEN]		RH side air bag satellite sensor circuit open.	
B-PILLAR SAT SEN RH [UNMATCH]		RH side air bag satellite sensor is out of specification.	
B-PILLAR SAT SEN RH [OFFSET ERR]		RH side air bag satellite sensor offset malfunction.	
B-PILLAR SAT SEN RH [SELF-DIAG ERR]		RH side air bag satellite sensor diagnosis malfunction.	
B-PILLAR SAT SEN RH [LOWER LIMIT ERR]		RH side air bag satellite sensor lower limit value malfunction.	
B-PILLAR SAT SEN RH [UPPER LIMIT ERR]		RH side air bag satellite sensor upper limit value malfunction.	
B-PILLAR SAT SEN RH [GND-SHORT]		RH side air bag satellite sensor circuit short to ground.	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition	Repair order
OCCUPANT SENS C/U [RESET]	B00A0	Occupant classification system control unit re-set malfunction.	Refer to SRC-74, "Diagnosis Procedure" .
OCCUPANT SENS [ABNORMAL VOLTAGE]		Occupant classification system sensor power supply malfunction.	
OCCUPANT SENS [UNIT MALFUNC]		Occupant classification system sensor malfunction.	
OCCUPANT SENS C/U [UNIT MALFUNC]		Occupant classification system control unit circuit malfunction.	
OCCUPANT SENS C/U [COMM ERR]		Occupant classification system control unit communication malfunction.	
OCCUPANT SENS C/U [UNDEFINED]		Occupant classification system control unit undefined status.	
OCCUPANT SENS C/U [COMM ERR]		Occupant classification system control unit communication blank.	
PASS A/B INDCTR CKT [UNIT MALFUNC]	B00D5	Front passenger air bag OFF indicator is malfunctioning.	Refer to SRC-68, "Diagnosis Procedure" .
PASS A/B INDCTR CKT [PWR-SHORT / OPEN]		Front passenger air bag OFF indicator is short to power or open.	
PASS A/B INDCTR CKT [OPEN]		Front passenger air bag OFF indicator circuit is open.	
PASS A/B INDCTR CKT [VB-SHORT]		Front passenger air bag OFF indicator is short to power.	
PASS A/B INDCTR CKT [GND-SHORT]		Front passenger air bag OFF indicator is short to ground.	
PRE-TEN FRONT LH [OPEN]	B1430	Front LH seat belt pre-tensioner circuit is open.	Refer to SRC-38, "Diagnosis Procedure" .
PRE-TEN FRONT LH [VB-SHORT]		Front LH seat belt pre-tensioner circuit is short to power.	
PRE-TEN FRONT LH [GND-SHORT]		Front LH seat belt pre-tensioner circuit is short to ground.	
PRE-TEN FRONT LH [SHORT]		Front LH seat belt pre-tensioner circuits are short to each other.	
PRE-TEN FRONT RH [OPEN]	B1431	Front RH seat belt pre-tensioner circuit is open.	Refer to SRC-40, "Diagnosis Procedure" .
PRE-TEN FRONT RH [VB-SHORT]		Front RH seat belt pre-tensioner circuit is short to power.	
PRE-TEN FRONT RH [GND-SHORT]		Front RH seat belt pre-tensioner circuit is short to ground.	
PRE-TEN FRONT RH [SHORT]		Front RH seat belt pre-tensioner circuits are short to each other.	
PRE-TEN FRONT LH2 [OPEN]	B1432	Seat belt buckle pre-tensioner assembly LH circuit is open.	Refer to SRC-55, "Diagnosis Procedure" .
PRE-TEN FRONT LH2 [VB-SHORT]		Seat belt buckle pre-tensioner assembly LH circuit is shorted to a power supply circuit.	
PRE-TEN FRONT LH2 [GND-SHORT]		Seat belt buckle pre-tensioner assembly LH circuit is shorted to ground.	
PRE-TEN FRONT LH2 [SHORT]		Seat belt buckle pre-tensioner assembly LH circuits are shorted to each other.	

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition	Repair order
FRONT PRE-TEN RH2 [OPEN]	B1433	Seat belt buckle pre-tensioner assembly RH circuit is open.	Refer to SRC-59, "Diagnosis Procedure" .
FRONT PRE-TEN RH2 [VB-SHORT]		Seat belt buckle pre-tensioner assembly RH circuit is shorted to a power supply circuit.	
FRONT PRE-TEN RH2 [GND-SHORT]		Seat belt buckle pre-tensioner assembly RH circuit is shorted to ground.	
FRONT PRE-TEN RH2 [SHORT]		Seat belt buckle pre-tensioner assembly RH circuits are shorted to each other.	
IGNITION VOLTAGE [VB-LOW]	B142A	Air bag diagnosis sensor unit ignition voltage is low.	Refer to SRC-61, "Diagnosis Procedure" .
IGNITION VOLTAGE [VB-HIGH]		Air bag diagnosis sensor unit ignition voltage is high.	
FRONTAL COLLISION	B1421	Frontal collision detected. Driver and/or front passenger air bag modules are deployed.	Refer to SR-4, "For Frontal Collision" .
SIDE COLLISION	B1422	Side collision detected. Curtain air bag module and seat belt pre-tensioners are deployed.	Refer to SR-6, "For Side and Rollover Collision" .
CONTROL UNIT [UNIT MALFUNC]	B14XX	Air bag diagnosis sensor unit is malfunctioning.	Refer to SRC-66, "Diagnosis Procedure" .
AIRBAG DISPOSAL DETECT			

Flash Code Index

INFOID:0000000011885523

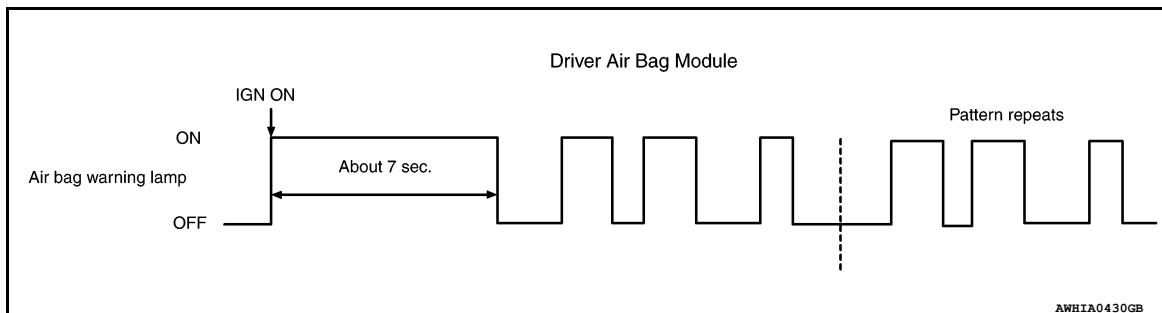
WARNING LAMP FLASH CODE CHART

How to read flash codes

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

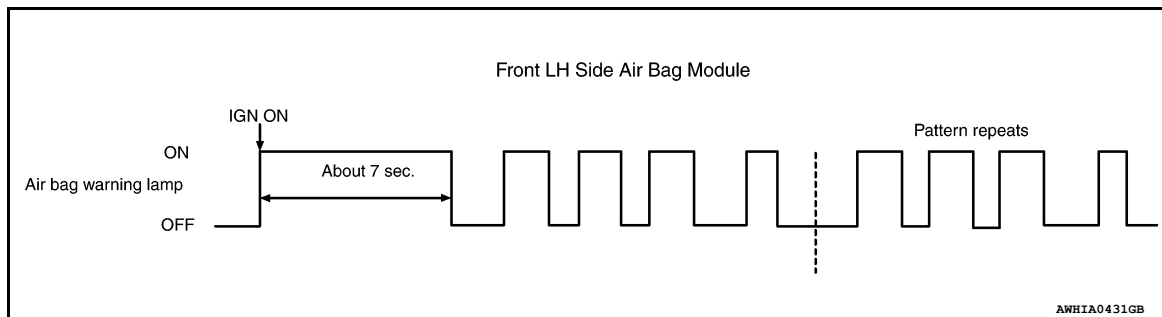


DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

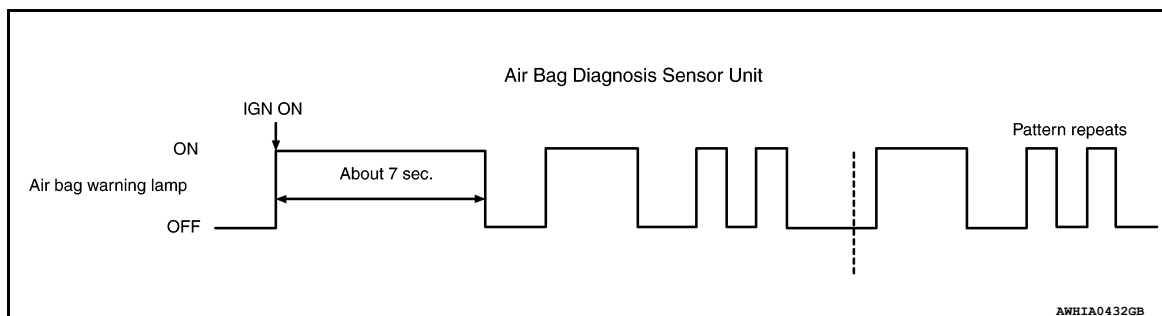
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	1	Driver air bag module	SRC-22. "Diagnosis Procedure"
		2	Front passenger air bag module	SRC-25. "Diagnosis Procedure"
		3	Front LH seat belt pre-tensioner	SRC-38. "Diagnosis Procedure"
		4	Front RH seat belt pre-tensioner	SRC-40. "Diagnosis Procedure"
		5	Seat belt buckle pre-tensioner assembly LH	SRC-55. "Diagnosis Procedure"
		6	Seat belt buckle pre-tensioner assembly RH	SRC-59. "Diagnosis Procedure"

Side subsystem



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
3	1.5	1	Front LH side air bag module	SRC-30. "Diagnosis Procedure"
		2	Front RH side air bag module	SRC-34. "Diagnosis Procedure"
		3	LH side rear curtain air bag module	SRC-32. "Diagnosis Procedure"
		4	RH side rear curtain air bag module	SRC-36. "Diagnosis Procedure"
		5	LH side front curtain air bag module	SRC-32. "Diagnosis Procedure"
		6	RH side front curtain air bag module	SRC-36. "Diagnosis Procedure"

Air bag subsystem

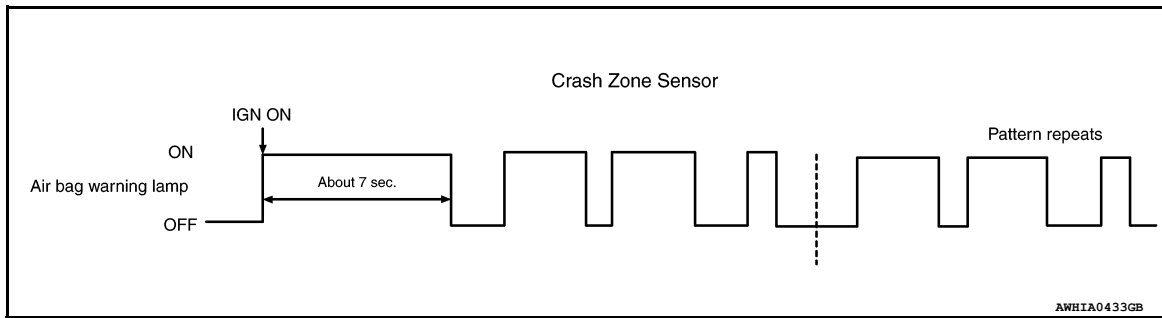


DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	1	Collision detection	SRC-65, "Diagnosis Procedure"
		2	Air bag diagnosis sensor unit	SRC-66, "Diagnosis Procedure"
		3	Front passenger air bag OFF indicator	SRC-68, "Diagnosis Procedure"
		4	Occupant classification system	SRC-74, "Diagnosis Procedure"

Sensor subsystem



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	1	Crash zone sensor	SRC-47, "Diagnosis Procedure"
		2	LH side air bag satellite sensor	SRC-50, "Diagnosis Procedure"
		3	RH side air bag satellite sensor	SRC-53, "Diagnosis Procedure"

SRS AIR BAG CONTROL SYSTEM

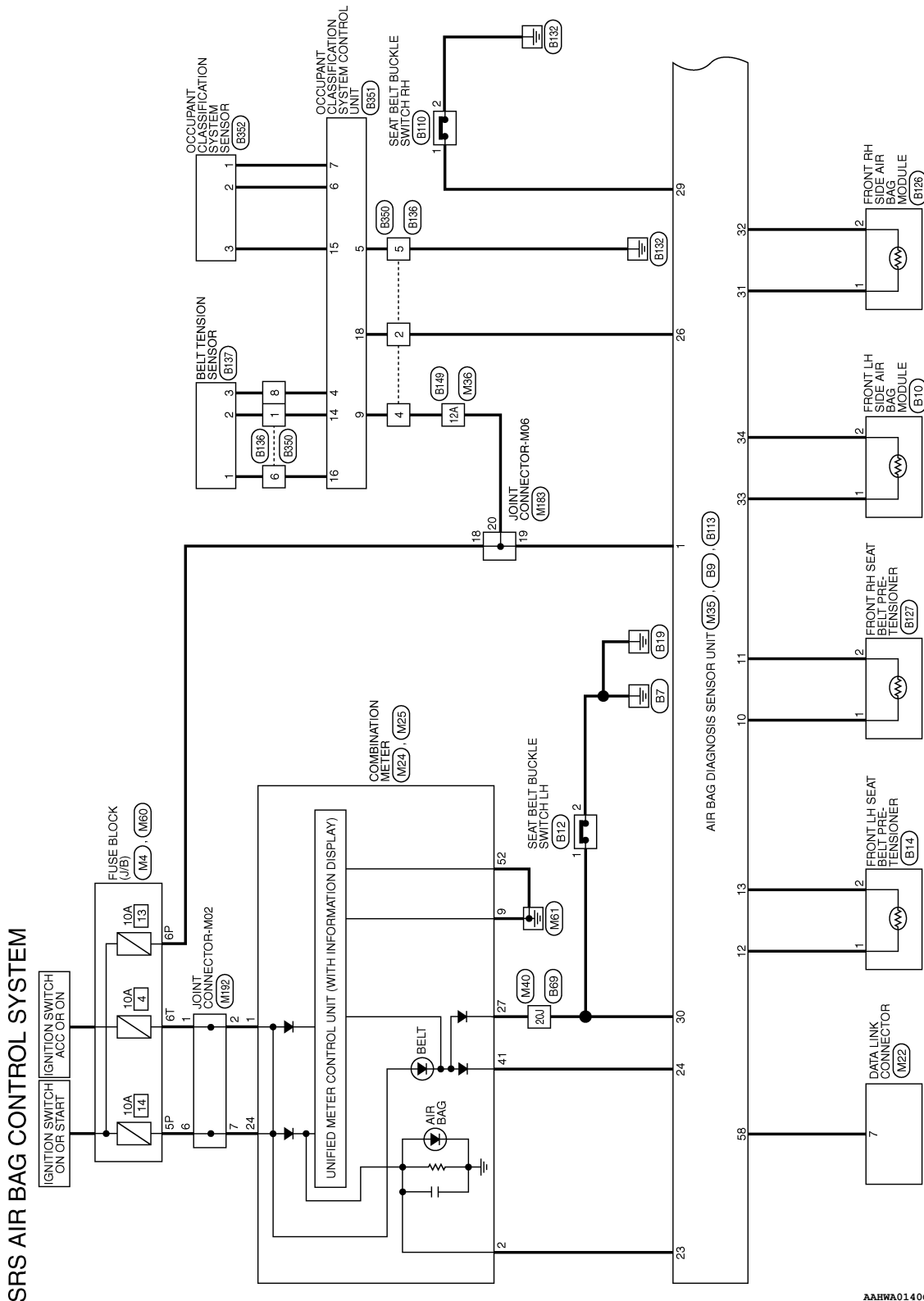
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WIRING DIAGRAM

SRS AIR BAG CONTROL SYSTEM

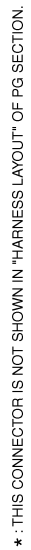
Wiring Diagram

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SRS AIR BAG CONTROL SYSTEM

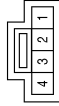
< WIRING DIAGRAM >

SRS AIR BAG CONTROL SYSTEM CONNECTORS

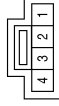
Connector No.	M4
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Color	YELLOW

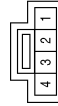


Terminal No.	Color of Wire	Signal Name
5P	O/L	-
6P	W/L	-

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

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

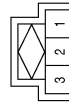
Connector No.	M10
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



Connector No.	M12
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR (WITH VEHICLE SECURITY SYSTEM)
Connector Color	BROWN



Connector No.	M13
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR (WITHOUT VEHICLE SECURITY SYSTEM)
Connector Color	BROWN



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

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

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

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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

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

9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8



Terminal No.	Color of Wire	Signal Name
7	G/W	-

Connector No.	M24
Connector Name	COMBINATION METER
Connector Color	WHITE

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21



Terminal No.	Color of Wire	Signal Name
1	O	ACCESSORY
2	P	AIR BAG
9	B	GND
24	O/L	RUN/START
27	O/B	SEATBELT

Connector No.	M25
Connector Name	COMBINATION METER
Connector Color	WHITE

46	45	44	43	42	41
52	51	50	49	48	47



Terminal No.	Color of Wire	Signal Name
41	P/L	PASS SEAT BELT
52	B	ILL GND

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

21	22	23
28	29	30



Terminal No.	Color of Wire	Signal Name
23	Y/B	-
28	Y/L	-
30	Y	-

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

8	9	7	6	2	5	4	3
19	52	54	23	24	22		
18	51	53	60	59	25	58	1



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

Terminal No.	Color of Wire	Signal Name
7	Y/R	AS1 (-)
8	Y/BR	AS2 (+)
9	Y/V	AS2 (-)
18	W	ECZS (+)
19	B	ECZS (-)
22	SHIELD	CZS SHLD
23	P	WARN LAMP
24	P/L	SEATBELT MINDER
25	R/Y	CUTOFF TELL TALE
51	L	DOOR SAT LH+
52	P	DOOR SAT LH-
53	BR	DOOR SAT RH+
54	Y	DOOR SAT RH-
58	G/W	K-LINE
59	L	CAN-H
60	P	CAN-L

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SRS AIR BAG CONTROL SYSTEM

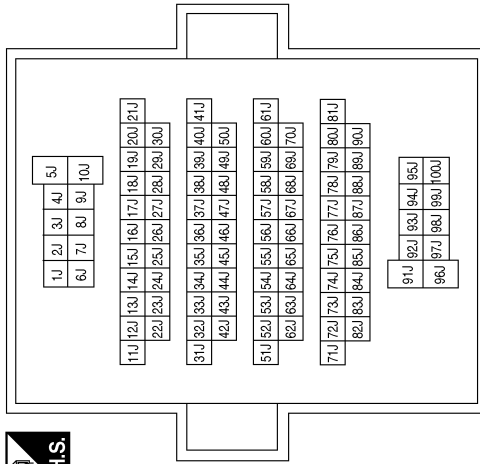
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Connector No.	M60
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

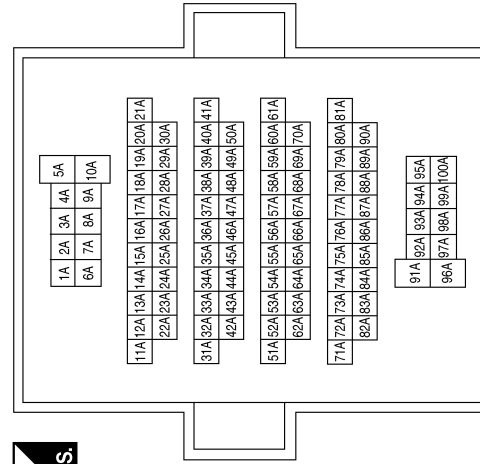


2T	1T
6T	5T 4T 3T

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



Connector No.	M36
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
20J	O/B	-

Terminal No.	Color of Wire	Signal Name
12A	W/L	-

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



12	13
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Connector No.	M100
Connector Name	DRIVER AIR BAG MODULE
Connector Color	YELLOW



10	11
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Connector No.	M77
Connector Name	FRONT PASSENGER AIR BAG MODULE (SERVICE REPLACEMENT)
Connector Color	YELLOW



4	3	2	1
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Terminal No.	Color of Wire	Signal Name
12	R	-
13	BR	-

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

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

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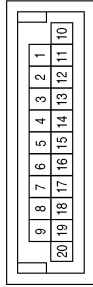
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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Connector No.	M183
Connector Name	JOINT CONNECTOR-M06
Connector Color	BLUE



Terminal No.	Color of Wire	Signal Name
18	W/L	-
19	W/L	-
20	W/L	-

Connector No.	M106
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Color	ORANGE



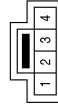
Terminal No.	Color of Wire	Signal Name
3	Y/BR	-
4	Y/V	-

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



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

Connector No.	E29
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



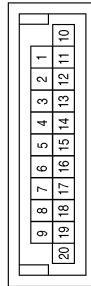
Terminal No.	Color of Wire	Signal Name
2	SHIELD	-
3	O	-
4	W	-

Connector No.	E4
Connector Name	CRASH ZONE SENSOR
Connector Color	YELLOW



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

Connector No.	M192
Connector Name	JOINT CONNECTOR-M02
Connector Color	GREEN



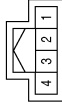
Terminal No.	Color of Wire	Signal Name
1	O	-
2	O	-
6	O/L	-
7	O/L	-

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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Connector No.	B12
Connector Name	SEAT BELT BUCKLE SWITCH LH
Connector Color	WHITE



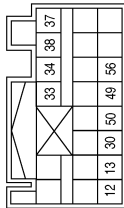
Terminal No.	Color of Wire	Signal Name
1	O/B	-
2	B	-

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



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

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



Terminal No.	Color of Wire	Signal Name
12	Y/G	P-LH (+)
13	Y/R	P-LH (-)
30	O/B	BUCKLE SW LH
33	Y/G	S-LH (+)
34	Y/R	S-LH (-)
37	Y	C-LH (+)
38	BR	C-LH (-)
49	Y/G	SAT SENS LH (+)
50	Y/L	SAT SENS LH (-)
56	SHIELD	GND

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



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

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



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

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



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

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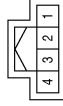
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SRS AIR BAG CONTROL SYSTEM

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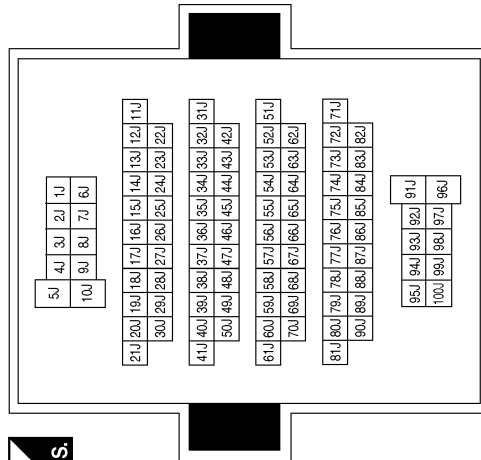
Connector No.	B110
Connector Name	SEAT BELT BUCKLE SWITCH RH
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
20J	O/B	-

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



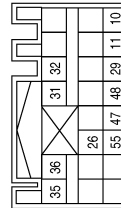
Connector No.	B114
Connector Name	RH SIDE AIR BAG (SATELLITE) SENSOR
Connector Color	YELLOW



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

Terminal No.	Color of Wire	Signal Name
10	Y	P-RH (+)
11	Y/B	P-RH (-)
26	P/B	ODS INPUT
29	L	BUCKLE SW RH
31	Y	S-RH (+)
32	Y/B	S-RH (-)
35	G	INF CURTAIN RH (+)
36	L	INF CURTAIN RH (-)
47	W	SAT SENS RH (+)
48	O	SAT SENS RH (-)
55	SHIELD	GND

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



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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

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



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

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



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

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



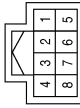
Terminal No.	Color of Wire	Signal Name
1	Y	—
2	Y/B	—

Connector No.	B137
Connector Name	BELT TENSION SENSOR
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	Y	— (KING CAB)
1	Y/W	— (CREW CAB)
2	B/Y	—
3	Y/B	—

Connector No.	B136
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	B/Y	—
2	P/B	—
4	W/L	—
5	B	—
6	Y	— (KING CAB)
6	Y/W	— (CREW CAB)
8	Y/B	—

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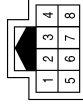
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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

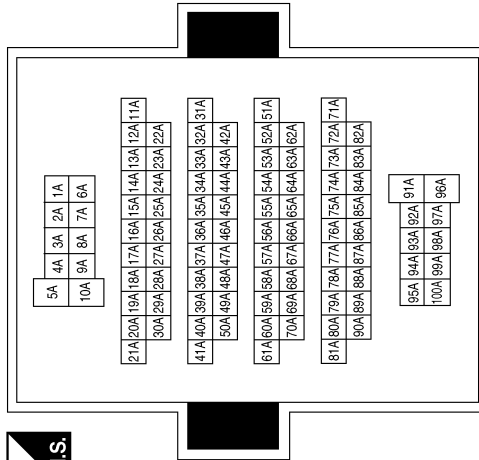
Connector No.	B350
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



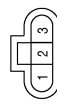
Terminal No.	Color of Wire	Signal Name
1	R/Y	-
2	BR/W	-
4	L/B	-
5	G/B	-
6	P/L	-
8	R	-

Terminal No.	Color of Wire	Signal Name
12A	W/L	-

Connector No.	B149
Connector Name	WIRE TO WIRE
Connector Color	WHITE



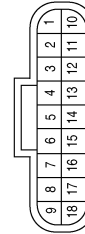
Connector No.	B352
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR
Connector Color	BLACK



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

Terminal No.	Color of Wire	Signal Name
5	G/B	GND
6	Y/R	SIG
7	G	(+)
8	-	-
9	L/B	IGN
10	-	-
11	-	-
12	-	-
13	-	-
14	R/Y	BTS (-)
15	O	(-)
16	P/L	BTS (+)
17	-	-
18	BR/W	ODS LED

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



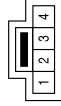
Terminal No.	Color of Wire	Signal Name
1	-	-
2	-	-
3	-	-
4	R	BTS SIG

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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Connector No.	D103
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



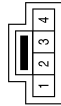
Terminal No.	Color of Wire	Signal Name
2	SHIELD	-
3	Y	-
4	BR	-

Connector No.	D19
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Color	YELLOW



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

Connector No.	D17
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

Connector No.	D108
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Color	YELLOW



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

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SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

SRS AIR BAG SYSTEM

"AIR BAG" Warning Lamp Does Not Turn Off

INFOID:0000000011561031

DIAGNOSTIC PROCEDURE

1.CHECK CONDITION OF AIR BAG MODULE

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

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

- YES >> Refer to [SR-4, "For Frontal Collision"](#) or [SR-6, "For Side and Rollover Collision"](#).
- NO >> GO TO 2.

2.CHECK THE AIR BAG FUSE

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

Is the fuse blown?

- Yes >> GO TO 3.
- No >> GO TO 4.

3.CHECK AIR BAG FUSE AGAIN

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

Does the fuse blow again?

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

4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Connect CONSULT.

Is AIR BAG displayed on CONSULT?

- YES >> GO TO 5.
- NO >> Visually inspect the air bag diagnosis sensor unit harness connections. If the connections are OK, replace the air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).

5.CHECK HARNESS CONNECTION

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

Are there any loose connections?

- Yes >> Properly connect the combination meter and air bag diagnosis sensor unit harness connectors. If AIR BAG warning lamp still does not turn off, replace the wiring harness.
- No >> Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).

"AIR BAG" Warning Lamp Does Not Turn On

INFOID:0000000011561032

DIAGNOSTIC PROCEDURE

1.CHECK METER FUSES

Check the 10A fuses [Nos. 4 and 14, located in the fuse block (J/B)] .

Are any fuses blown?

- Yes >> GO TO 2
- No >> GO TO 3

2.REPLACE METER FUSE AND CHECK AGAIN

Replace 10A fuse [Nos. 4 or 14 located in the fuse block (J/B)] and turn ignition switch ON.

Does the fuse blow again?

- Yes >> Replace harness.
- No >> Inspection End.

3.CHECK HARNESS CONNECTIONS BETWEEN AIR BAG DIAGNOSIS SENSOR UNIT AND COMBINA-

SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

TION METER

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

Do the harness or connectors have any visible damage?

Yes >> Replace harness.

No >> GO TO 4

4.CHECK COMBINATION METER

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

Does AIR BAG warning lamp turn on?

Yes >> Replace the air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).

No >> Replace the combination meter. Refer to [MWI-95, "Removal and Installation"](#).

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PASSENGER SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

PASSENGER SEAT BELT WARNING SYSTEM

Seat Belt Warning System Does Not Function

INFOID:0000000011561033

1. SEAT BELT WARNING LIGHT

Turn ignition switch ON.

Does the seat belt warning lamp come ON?

YES >> GO TO 2.

- NO >> • Check 10A fuses [Nos. 4 and 14, located in the fuse block (J/B)].
- Check seat belt buckle switch LH.
 - Check harness between combination meter and seat belt buckle switch LH.
 - Check combination meter. Refer to [MWI-28, "CONSULT Function \(METER/M&A\)"](#).

2. SEAT BELT BUCKLE LH

Fasten the seat belt buckle LH.

Does the seat belt warning lamp go OFF?

YES >> GO TO 3.

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

3. OCCUPANT CLASSIFICATION SYSTEM

Have a helper sit in the passenger seat.

Does the seat belt warning lamp go ON?

YES >> GO TO 4.

- NO >> • Check occupant classification system. Refer to [SRC-12, "Occupant Classification System \(OCS\)"](#).
- Check harness between occupant classification control unit and air bag diagnosis sensor unit.

4. SEAT BELT BUCKLE RH

Fasten the seat belt buckle RH.

Does the seat belt warning lamp go OFF?

YES >> System OK.

- NO >> • Check seat belt buckle switch RH.
- Check harness between seat belt buckle switch RH and air bag diagnosis sensor unit.
 - Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).

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

< SYMPTOM DIAGNOSIS >

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

Description

INFOID:0000000011885376

SRS air bag warning lamp is OFF, passenger air bag indicator lamp turns ON intermittently with a person of adult stature seated normally in the passenger seat.

Diagnosis Procedure

INFOID:0000000011885377

1.REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to [SR-27. "Removal and Installation"](#).

Is symptom still present?

YES >> GO TO 2.

NO >> Inspection End.

2.REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to [SE-34. "Removal and Installation - Front Seat Assembly"](#).

>> Inspection End.

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

< SYMPTOM DIAGNOSIS >

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

Description

INFOID:0000000011885378

Vehicle conditions:

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

Diagnosis Procedure

INFOID:0000000011885379

1.REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to [SR-27, "Removal and Installation"](#).

Is symptom still present?

YES >> GO TO 2.

NO >> Inspection End.

2.REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to [SE-34, "Removal and Installation - Front Seat Assembly"](#).

>> Inspection End.

PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:0000000011561034

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

WARNING:

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

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

WARNING:

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

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

INFOID:0000000011561035

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

Occupant Classification System Precaution

INFOID:0000000011561036

Replace occupant classification system control unit and passenger front seat cushion as an assembly.