

SECTION **SRC**

SRS AIRBAG CONTROL SYSTEM

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

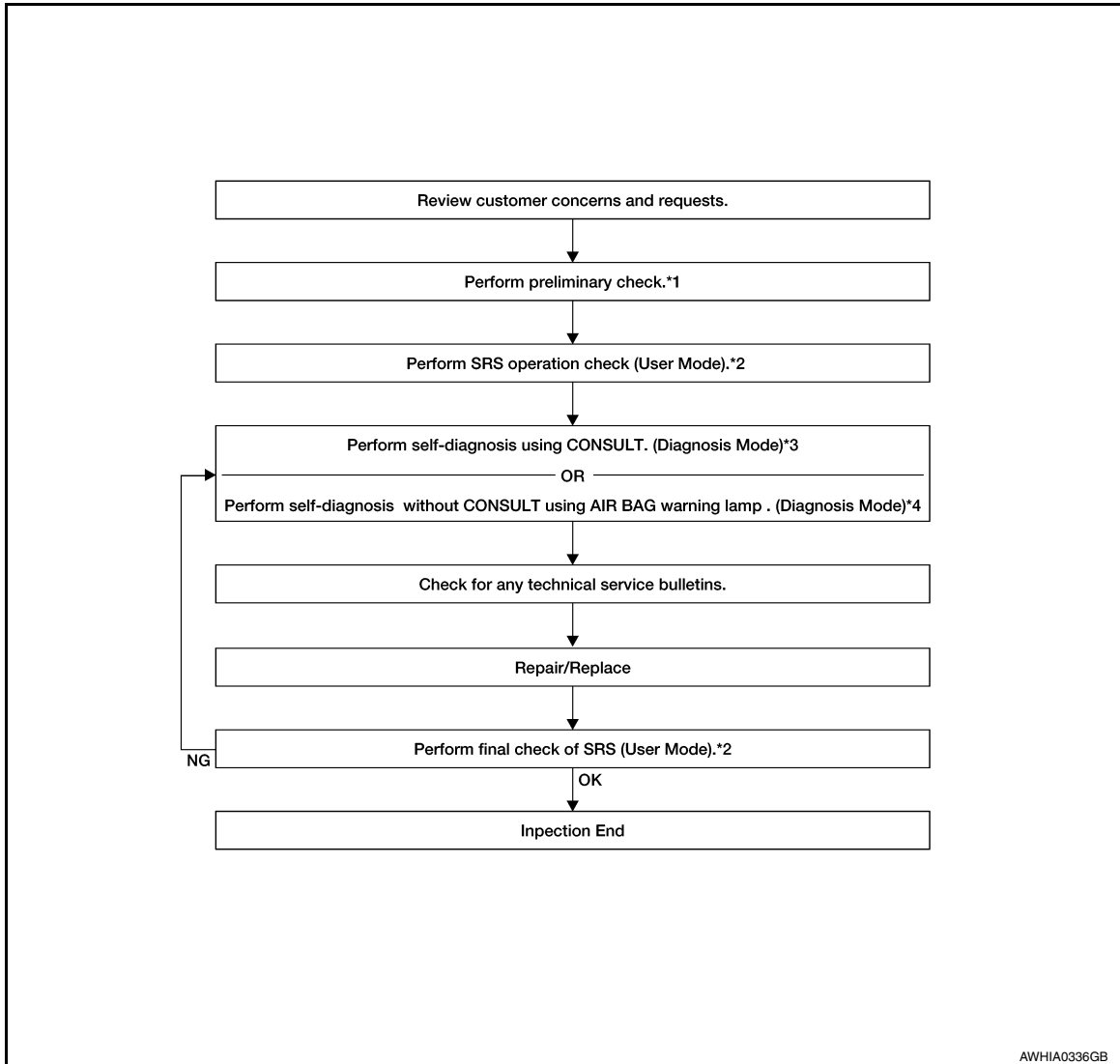
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000012565186

OVERALL SEQUENCE



*1 [SRC-13. "Trouble Diagnosis Introduction"](#)

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

*3 [SRC-15. "CONSULT Function \(AIR BAG\)"](#)

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

>> GO TO 4.

4. SELF-DIAGNOSIS

Perform SELF-DIAGNOSIS. Refer to [SRC-15. "CONSULT Function \(AIR BAG\)"](#) (with CONSULT) or [SRC-15. "Self-Diagnosis Function \(Without CONSULT\)"](#) (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.

INTERMITTENT INCIDENT

< BASIC INSPECTION >

INTERMITTENT 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:000000012565188

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-15. "Self-Diagnosis Function \(Without CONSULT\)".](#)

NO >> Go to "DIAGNOSTIC PROCEDURE 2". Refer to [SRC-13. "SRS Operation Check".](#)

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SRS AIR BAG SYSTEM

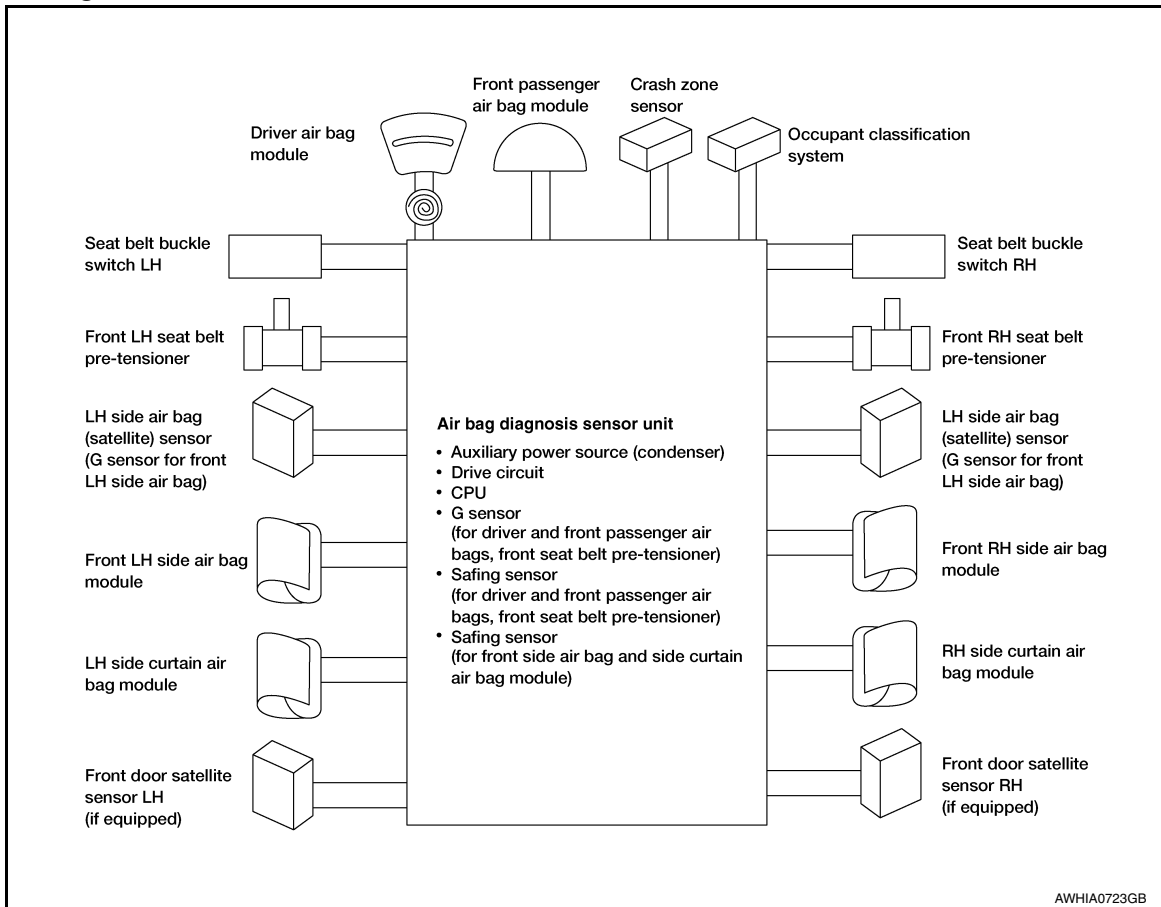
< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

SRS Configuration

INFOID:0000000012565189



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:

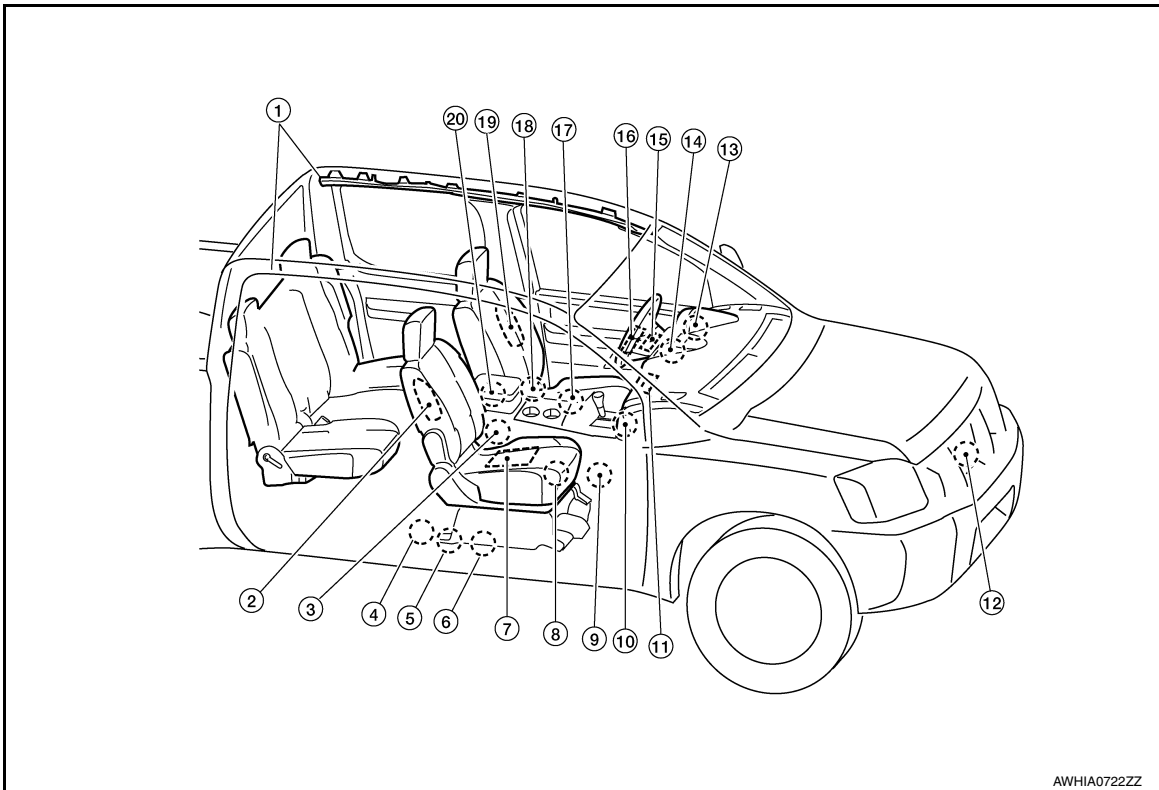
SRS configuration	Frontal collision	Left side collision	Right side collision	Rollover
Driver air bag module	X	—	—	—
Front passenger air bag module	X	—	—	—
Front LH seat belt pre-tensioner	X	—	—	X
Front RH seat belt pre-tensioner	X	—	—	X
Front LH side air bag module	—	X	—	—
Front RH side air bag module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

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

SRS Component Parts Location

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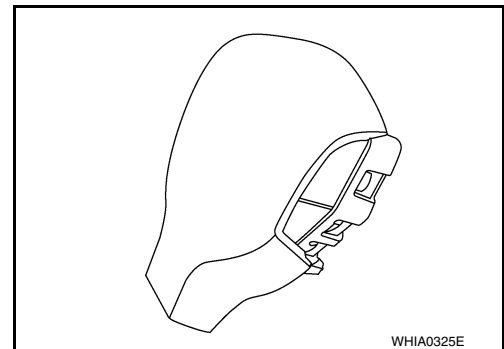


- | | | |
|---|--|---|
| 1. Side curtain air bag modules | 2. Front RH side air bag module | 3. Seat belt buckle switch RH |
| 4. Front RH seat belt pre-tensioner | 5. Belt tension sensor | 6. RH side air bag (satellite) sensor |
| 7. Occupant classification system sensor | 8. Occupant classification system control unit | 9. Front door satellite sensor RH (if equipped) |
| 10. Front passenger air bag off indicator | 11. Front passenger air bag module | 12. Crash zone sensor |
| 13. Air bag warning lamp | 14. Front door satellite sensor LH (if equipped) | 15. Spiral cable |
| 16. Driver air bag module | 17. LH side air bag (satellite) sensor | 18. Front LH seat belt pre-tensioner |
| 19. Front LH side air bag module | 20. Air bag diagnosis sensor unit | |

Driver Air Bag Module

INFOID:000000012565191

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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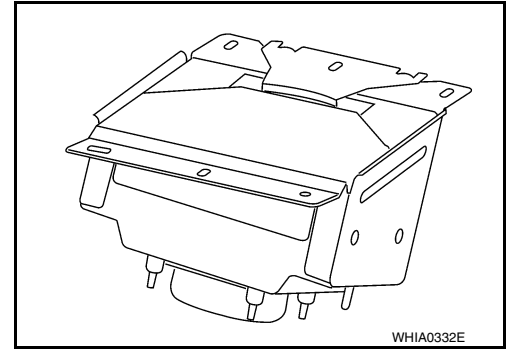
SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

Front Passenger Air Bag Module

INFOID:000000012565192

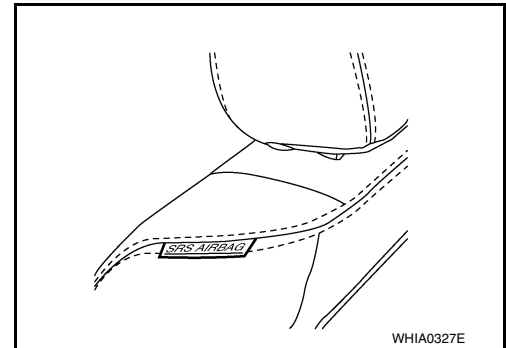
The front passenger air bag module is dual stage and located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to [SRC-10, "Occupant Classification System \(OCS\)"](#) for more information.



Front Side Air Bag

INFOID:000000012565193

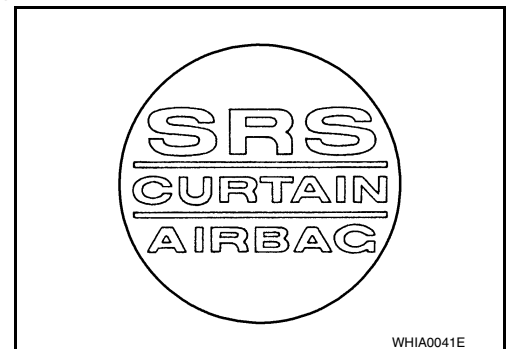
Front side air bag modules are built into the front seatback assemblies. Vehicles with side air bags are equipped with labels as shown.



Side Curtain Air Bag

INFOID:000000012565194

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



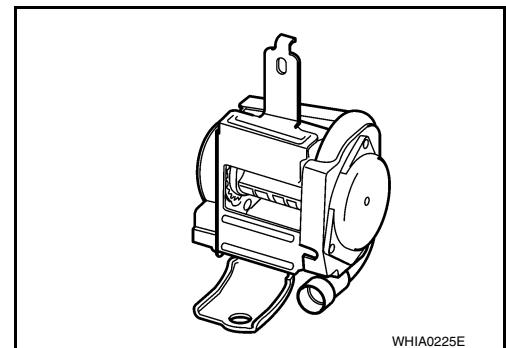
Front Seat Belt Pre-tensioner with Load Limiter

INFOID:000000012565195

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.



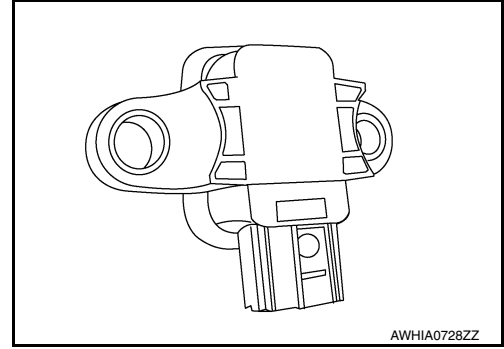
SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

Front Door Satellite Sensor

INFOID:000000012565196

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

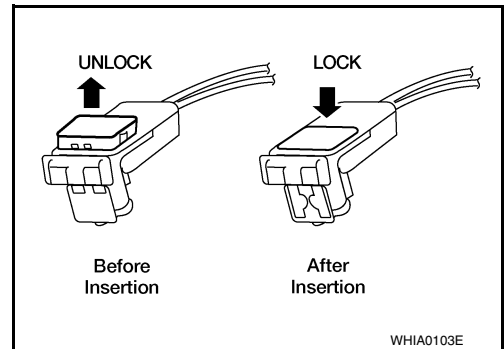
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The following SRS components use direct-connect style harness connectors.

- Driver air bag module
- Front passenger air bag module
- LH side front curtain air bag module
- LH side rear curtain air bag module
- RH side front curtain air bag module
- RH side rear 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.



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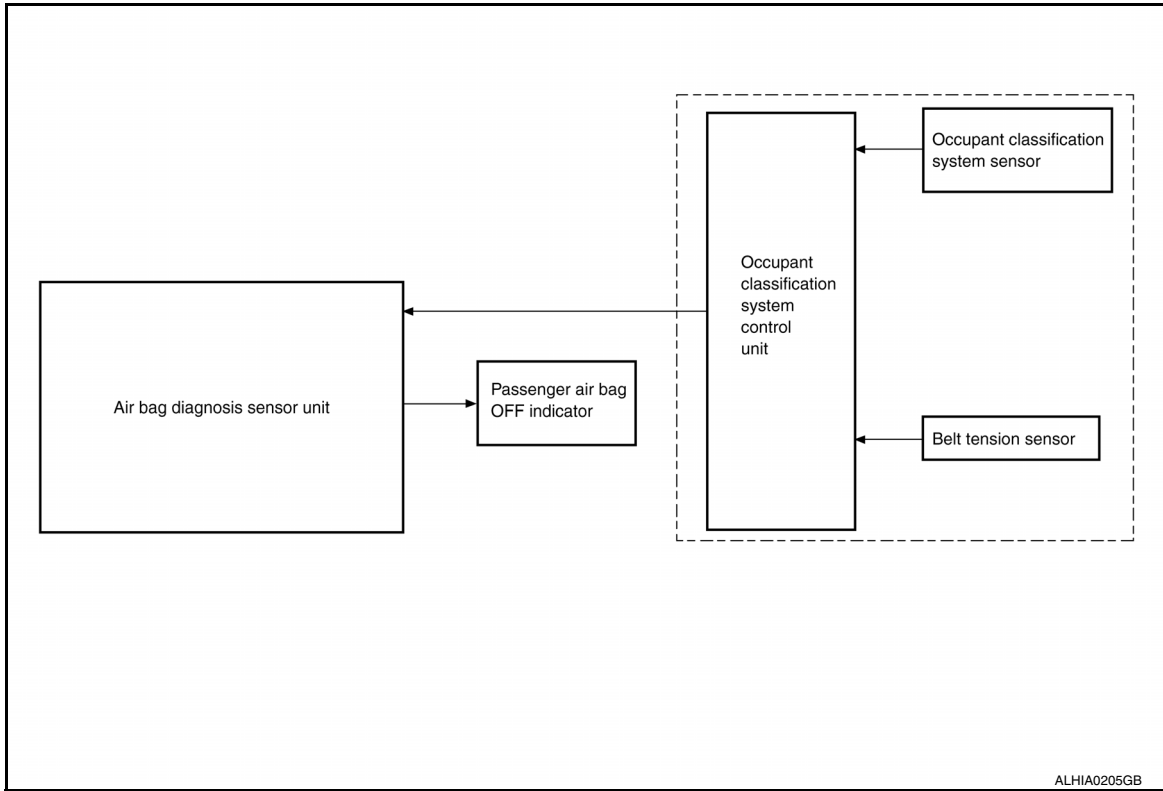
OCCUPANT CLASSIFICATION SYSTEM

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OCCUPANT CLASSIFICATION SYSTEM

System Diagram

INFOID:000000012565198



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Occupant Classification System (OCS)

INFOID:000000012565199

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

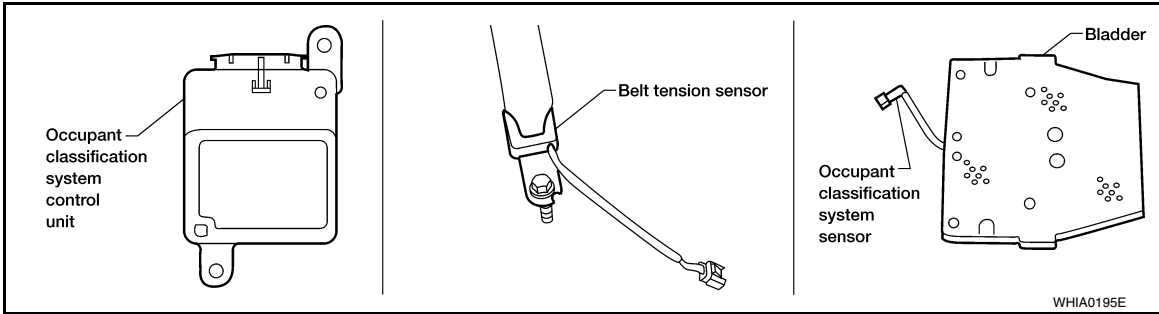
Front Passenger Seat (Condition)	PASS AIR BAG OFF Indicator (Status)	Passenger Air Bag Status (Readiness)	CONSULT Display
Seat occupied	OFF	Active (enabled)	ON
Seat occupied ^{NOTE}	ON	Deactivated (disabled)	OFF
Seat empty	OFF	Deactivated (disabled)	OFF

NOTE:

OCCUPANT CLASSIFICATION SYSTEM

< SYSTEM DESCRIPTION >

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



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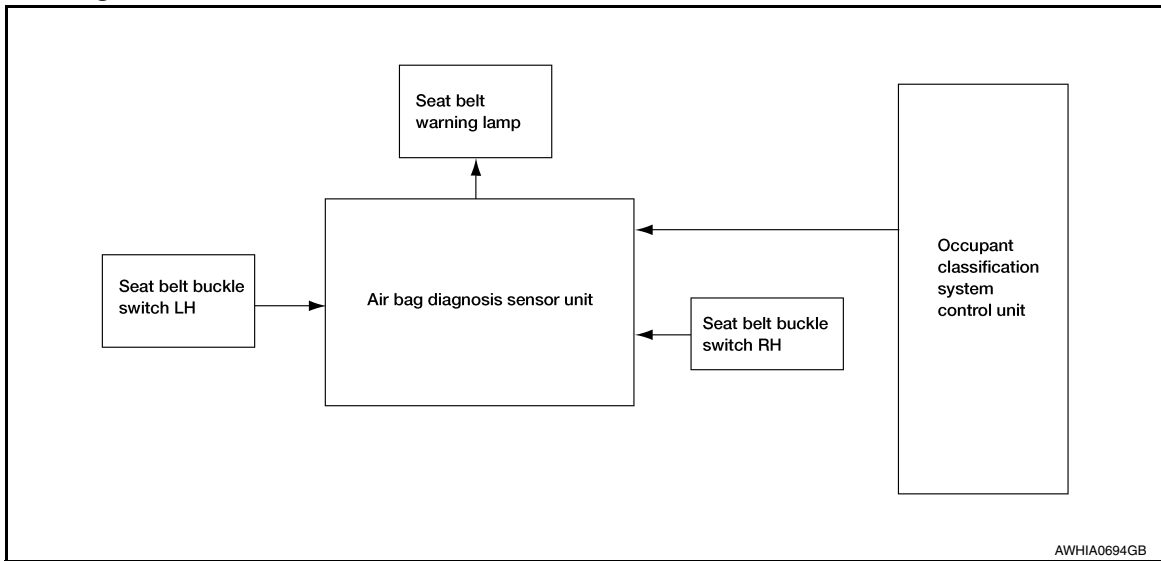
PASSENGER SEAT BELT WARNING SYSTEM

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PASSENGER SEAT BELT WARNING SYSTEM

System Diagram

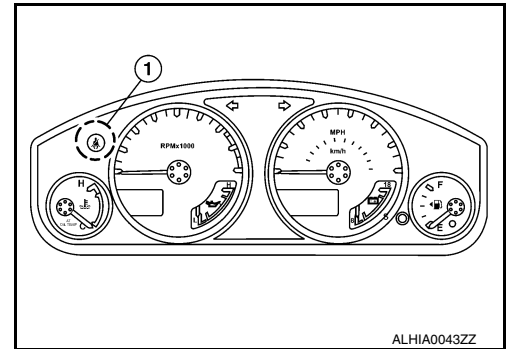
INFOID:000000012565200



System Description

INFOID:000000012565201

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-10, "Occupant Classification System \(OCS\)"](#).



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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:000000012565202

Refer to [SRC-7, "SRS Component Parts Location"](#).

ON BOARD DIAGNOSTIC (OBD) SYSTEM

< SYSTEM DESCRIPTION >

ON BOARD DIAGNOSTIC (OBD) SYSTEM

Trouble Diagnosis Introduction

INFOID:000000012565203

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
- Fuses
- System component-to-harness connections

SRS Operation Check

INFOID:000000012565204

DIAGNOSTIC PROCEDURE 1

Checking SRS Operation Using “AIR BAG” Warning Lamp—User Mode

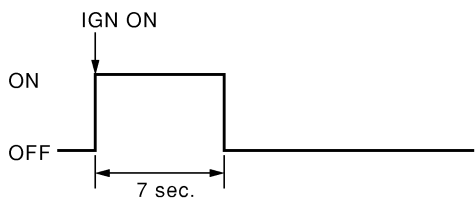
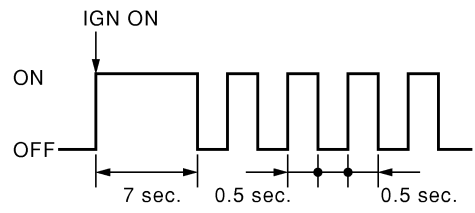
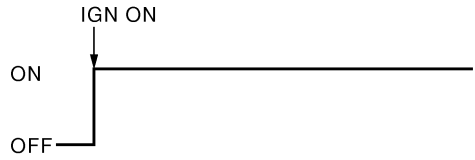


1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.
2. Compare the SRS air bag warning lamp blinking pattern with the examples.



ON BOARD DIAGNOSTIC (OBD) SYSTEM

< SYSTEM DESCRIPTION >

SRS Air bag warning lamp examples

"AIR BAG" warning lamp (User mode)	SRS condition	Reference item
 <p style="text-align: right;">SHIA0011E</p>	<ul style="list-style-type: none"> No malfunction is detected. No further action is necessary. 	—
 <p style="text-align: right;">SHIA0012E</p>	The system is malfunctioning and needs to be repaired as indicated.	Go to DIAGNOSTIC PROCEDURE 2 that follows (with CONSULT) or SRC-15, "Trouble Diagnosis without CONSULT" .
 <p style="text-align: right;">SHIA0013E</p>	<ul style="list-style-type: none"> Air bag is deployed. Seat belt pre-tensioner is deployed. 	Go to COLLISION DIAGNOSIS SR-4, "For Frontal Collision" or SR-6, "For Side and Rollover Collision" .
 <p style="text-align: right;">SHIA0014E</p>	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is malfunctioning. Air bag power supply circuit is malfunctioning. SRS air bag warning lamp circuit is malfunctioning. 	Go to SRC-121, ""AIR BAG" Warning Lamp Does Not Turn Off" .
 <p style="text-align: right;">SHIA0014E</p>	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is malfunctioning. Air bag warning lamp circuit is malfunctioning. 	Go to SRC-121, ""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-15, "Self-Diagnosis Function \(Without CONSULT\)"](#).

ON BOARD DIAGNOSTIC (OBD) SYSTEM

< SYSTEM DESCRIPTION >

Trouble Diagnosis without CONSULT

INFOID:000000012565205

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-15, "Trouble Diagnosis without CONSULT"](#).

CONSULT Function (AIR BAG)

INFOID:000000012565206

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-10, "Occupant Classification System (OCS)" for more information.

Self-Diagnosis Function (Without CONSULT)

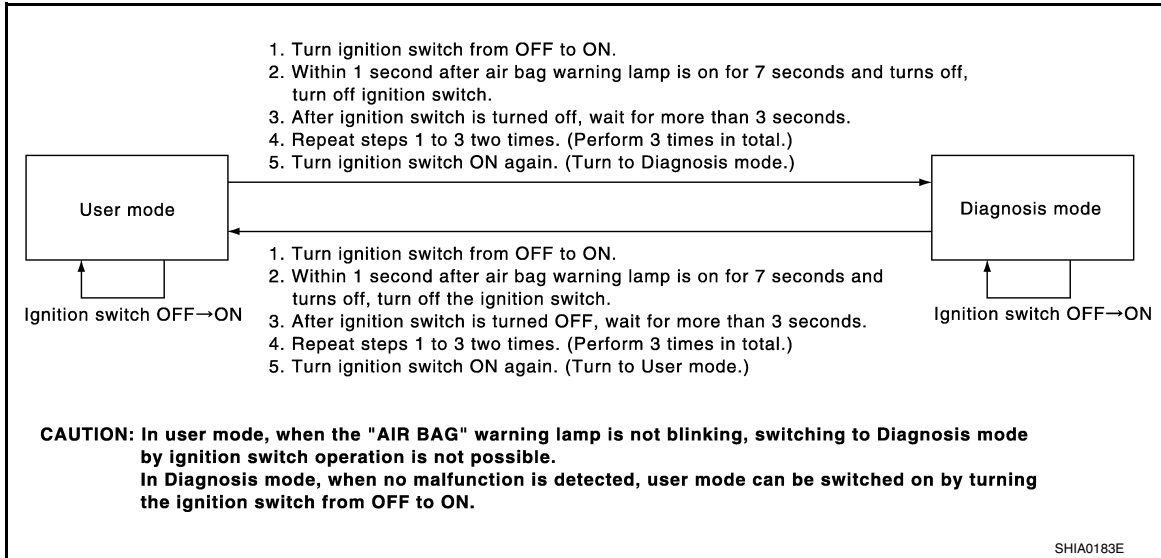
INFOID:000000012565207

- 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-13, "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-13, "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-15, "Self-Diagnosis Function \(Without CONSULT\)"](#).
- NO >> Perform DIAGNOSTIC PROCEDURE 2. Refer to [SRC-13, "SRS Operation Check"](#).

U1000 CAN COMM CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

DTC Description

INFOID:0000000012565208

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.
CAN Communication Signal Chart. Refer to [LAN-54, "CAN Communication Signal Chart"](#).

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
U1000-01	CAN COMM CIRCUIT [CAN communication circuit]	When air bag diagnosis sensor unit cannot communicate CAN communication signal continuously for 2 seconds or more.

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1. PERFORM SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON and wait for 7 seconds or more.
2. Using CONSULT, perform "Self Diagnostic Result" mode of "AIR BAG".
3. Check if any DTC is displayed in the "Self Diagnostic Result".

Is DTC detected?

- YES >> Refer to [SRC-17, "Diagnosis Procedure"](#).
NO >> Refer to [GI-43, "Intermittent Incident"](#).

Diagnosis Procedure

INFOID:0000000012565209

1. CHECK CAN COMMUNICATION SYSTEM

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

>> Inspection End.

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SRC

U1010 CONTROL UNIT (CAN)

< DTC/CIRCUIT DIAGNOSIS >

U1010 CONTROL UNIT (CAN)

DTC Description

INFOID:000000012565210

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
U1010-49	CONTROL UNIT (CAN) [Control unit (CAN)]	Air bag diagnosis sensor unit detected internal CAN communication circuit malfunction.

POSSIBLE CAUSE

Air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.PERFORM SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Using CONSULT, perform “Self Diagnostic Result” mode of “AIR BAG”.
3. Check if DTC is displayed in the “Self Diagnostic Result”.

Is DTC detected?

- YES >> Refer to [SRC-18, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:000000012565211

1.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to [SR-22, "Removal and Installation"](#).

>> Inspection End.

B0001, B0002 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B0001, B0002 DRIVER AIRBAG MODULE

DTC Description

INFOID:0000000012565212

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0001-00	DRIVER AIRBAG MODULE [Driver Frontal Stage 1 De- ployment Control (Subfault)]	[SHORT] Driver air bag module circuits are shorted to each other (including the spiral cable)
B0001-09		[SHORT] Driver air bag module circuits are shorted to each other (including the spiral cable)
B0001-11		[GND-SHORT] Driver air bag module circuit is shorted to ground (including the spiral cable)
B0001-12		[VB-SHORT] Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)
B0001-13		[OPEN] Driver air bag module circuit is open (including the spiral cable)
B0001-1A		[SHORT] Driver air bag module circuits are shorted to each other (including the spiral cable)
B0002-00		DRIVER AIRBAG MODULE 2 [Driver Frontal Stage 2 De- ployment Control (Subfault)]
B0002-09	[SHORT] Driver air bag module circuits are shorted to each other (including the spiral cable)	
B0002-11	[GND-SHORT] Driver air bag module circuit is shorted to ground (including the spiral cable)	
B0002-12	[VB-SHORT] Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)	
B0002-13	[OPEN] Driver air bag module circuit is open (including the spiral cable)	
B0002-1A	[SHORT] Driver air bag module circuits are shorted to each other (including the spiral cable)	

POSSIBLE CAUSE

[OPEN]

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

[VB-SHORT]

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

[GND-SHORT]

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

[SHORT]

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

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

B0001, B0002 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

2. Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-20, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-20, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-20, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012565213

1.HARNES CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

2.CONFIRM DTC

1. Reconnect all harness connectors.

2. Turn ignition switch ON.

3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 3.

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

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CHECK SPIRAL CABLE CIRCUIT

B0001, B0002 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

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	1	M29	30	Yes
	2		23	
M103	3		28	
	4		23	

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

Driver air bag module		Ground	Continuity
Connector	Terminal		
M101	1	Ground	No
	2		
M103	3		
	4		

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-43. "Intermittent Incident"](#).

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22. "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.

>> Inspection End.

B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B0010, B0011 PASSENGER AIRBAG MODULE

DTC Description

INFOID:000000012565214

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0010-09	ASSIST A/B MODULE [Passenger Frontal Stage 1 Deployment Control (Subfault)]	[SHORT] Passenger air bag module circuits are shorted to each other
B0010-11		[GND-SHORT] Passenger air bag module circuit is shorted to ground
B0010-12		[VB-SHORT] Passenger air bag module circuit is shorted to power supply circuit
B0010-13		[OPEN] Passenger air bag module circuit is open
B0010-1A		[SHORT] Passenger air bag module circuits are shorted to each other
B0011-09	ASSIST A/B MODULE [Passenger Frontal Stage 2 Deployment Control (Subfault)]	[SHORT] Passenger air bag module circuits are shorted to each other
B0011-11		[GND-SHORT] Passenger air bag module circuit is shorted to ground
B0011-12		[VB-SHORT] Passenger air bag module circuit is shorted to power supply circuit
B0011-13		[OPEN] Passenger air bag module circuit is open
B0011-1A		[SHORT] Passenger air bag module circuits are shorted to each other

POSSIBLE CAUSE

[OPEN]

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

VB-SHORT]

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

[GND-SHORT]

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

[SHORT]

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

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

- YES (Current DTC)>> Refer to [SRC-23. "Diagnosis Procedure"](#).
YES (Past DTC)>> GO TO 2.
NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

- YES >> Inspection End.
NO >> Refer to [SRC-23. "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

- YES >> Refer to [SRC-23, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012565215

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-43, "Intermittent Incident"](#).

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4. CONFIRM DTC

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

Is DTC still current?

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

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

- YES >> GO TO 6.

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B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

NO >> Clear DTC. Inspection End.

6.FRONT PASSENGER AIR BAG MODULE

1. Replace the front passenger air bag module. Refer to [SR-15, "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.

>> Inspection End.

B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B0020 SIDE AIRBAG MODULE LH

DTC Description

INFOID:000000012565216

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0020-09	SIDE A/B MODULE LH [Left Side Airbag Deployment Control (Subfault)]	[SHORT] Front LH side air bag module circuits are shorted to each other
B0020-11		[GND-SHORT] Front LH side air bag module circuit is shorted to ground
B0020-12		[VB-SHORT] Front LH side air bag module circuit is shorted to power supply circuit
B0020-13		[OPEN] Front LH side air bag module circuit is open
B0020-1A		[SHORT] Front LH side air bag module circuits are shorted to each other

POSSIBLE CAUSE

[OPEN]

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

[VB-SHORT]

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

[GND-SHORT]

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

[SHORT]

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

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to [SRC-26, "Diagnosis Procedure"](#).

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-26, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

Is the DTC detected?

- YES >> Refer to [SRC-26, "Diagnosis Procedure"](#).
- NO >> Inspection End.

Diagnosis Procedure

INFOID:000000012565217

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4. CONFIRM DTC

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

Is DTC still current?

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

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22, "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 LH SIDE AIR BAG MODULE

1. Replace the front LH side air bag module. Refer to [SE-33, "DRIVER SIDE : Side Air Bag Module"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

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B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B0021 SIDE CURTAIN AIR BAG MODULE LH

DTC Description

INFOID:000000012565218

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0021-09	CURTAIN A/B MODULE LH [Left Curtain Deployment Control 1 (Subfault)]	[SHORT]
B0021-11		[GND-SHORT]
B0021-12		[VB-SHORT]
B0021-13		[OPEN]
B0021-1A		[SHORT]

POSSIBLE CAUSE

[OPEN]

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

[VB-SHORT]

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

[GND-SHORT]

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

[SHORT]

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to [SRC-29, "Diagnosis Procedure"](#).

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-29, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

Is the DTC detected?

- YES >> Refer to [SRC-29, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012565219

1.HARNES CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2.CONFIRM DTC

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

Is DTC still current?

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

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4.CONFIRM DTC

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

Is DTC still current?

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

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22, "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.LH SIDE CURTAIN AIR BAG MODULE

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

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B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B0028 SIDE AIRBAG MODULE RH

DTC Description

INFOID:000000012565220

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0028-09	SIDE A/B MODULE RH [Right Side Airbag Deployment Control (Subfault)]	[SHORT] RH side air bag module circuits are shorted to each other
B0028-11		[GND-SHORT] RH side air bag module circuit is shorted to ground
B0028-12		[VB-SHORT] RH side air bag module circuit is shorted to power supply circuit
B0028-13		[OPEN] RH side air bag module circuit is open
B0028-1A		[SHORT] RH side air bag module circuits are shorted to each other

POSSIBLE CAUSE

[OPEN]

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

[VB-SHORT]

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

[GND-SHORT]

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

[SHORT]

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

FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

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

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-32. "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13. "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

- YES >> Refer to [SRC-32, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012565221

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4. CONFIRM DTC

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

Is DTC still current?

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

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22, "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 RH SIDE AIR BAG MODULE

1. Replace the front RH side air bag module. Refer to [SE-34, "PASSENGER SIDE : Side Air Bag Module"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

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B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B0029 SIDE CURTAIN AIR BAG MODULE RH

DTC Description

INFOID:000000012565222

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	
B0029-09	CURTAIN A/B MODULE RH [Right Curtain Deployment Control 1 (Subfault)]	[SHORT]	RH side curtain air bag module circuits are shorted to each other
B0029-11		[GND-SHORT]	RH side curtain air bag module circuit is shorted to ground
B0029-12		[VB-SHORT]	RH side curtain air bag module circuit is shorted to power supply circuit
B0029-13		[OPEN]	RH side curtain air bag module circuit is open
B0029-1A		[SHORT]	RH side curtain air bag module circuits are shorted to each other

POSSIBLE CAUSE

[OPEN]

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

[VB-SHORT]

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

[GND-SHORT]

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

[SHORT]

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to [SRC-35, "Diagnosis Procedure"](#).

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-35, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

Is the DTC detected?

- YES >> Refer to [SRC-35, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012565223

1.HARNES CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2.CONFIRM DTC

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

Is DTC still current?

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

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4.CONFIRM DTC

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

Is DTC still current?

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

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22, "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.RH SIDE CURTAIN AIR BAG MODULE

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

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B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

DTC Description

INFOID:000000012565224

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0091-11	B-PILLAR SAT SEN LH [Left Side Restraints Sensor 1 (Subfault)]	[GND-SHORT] LH side air bag (satellite) sensor circuit is shorted to ground
B0091-23		[LOWER LIMIT ERR] Lower limit value malfunction of LH side air bag (satellite) sensor
B0091-24		[UPPER LIMIT ERR] Upper limit value malfunction of LH side air bag (satellite) sensor
B0091-25		[SELF-DIAG ERR] Diagnosis malfunction of LH side air bag (satellite) sensor
B0091-28		[OFFSET ERR] Offset malfunction of LH side air bag (satellite) sensor
B0091-81		[COMM ERR] Communication malfunction of LH side air bag (satellite) sensor
B0091-86		[UNMATCH] LH side air bag (satellite) sensor is out of the specified specification
B0091-88		[OPEN] LH side air bag (satellite) sensor circuit is open
B0091-93		[RESET] Reset malfunction of LH side air bag (satellite) sensor

POSSIBLE CAUSE

[RESET], [COMM ERR]

- Connection malfunction of harness and connector
- Internal malfunction of LH side air bag (satellite) sensor
- Internal malfunction of air bag diagnosis sensor unit

[OPEN]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of LH side air bag (satellite) sensor
- Internal malfunction of air bag diagnosis sensor unit

[UNMATCH]

- Air bag diagnosis sensor unit and LH side air bag (satellite) sensor are different from parts specified

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

- Internal malfunction of LH side air bag (satellite) sensor
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of LH side air bag (satellite) sensor
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. 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 DIAGNOSTIC 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)

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

- YES >> Refer to [SRC-38, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:000000012565225

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4. CONFIRM DTC

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

Is DTC still current?

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

5. LH SIDE AIR BAG (SATELLITE) SENSOR

1. Replace the LH side air bag (satellite) sensor. Refer to [SR-25, "Removal and Installation - Side Air Bag \(Satellite\) Sensor"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

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

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22. "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.

>> Inspection End.

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B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B0093 FRONT DOOR SATELLITE SENSOR LH

DTC Description

INFOID:000000012565226

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0093-11	DOOR SATEL SENS LH [Left Side Restraints Sensor 3 (Subfault)]	[GND-SHORT] Front door satellite sensor LH circuit is shorted to ground
B0093-23		[LOWER LIMIT ERR] Lower limit value malfunction of front door satellite sensor LH
B0093-24		[UPPER LIMIT ERR] Upper limit value malfunction of front door satellite sensor LH
B0093-25		[SELF-DIAG ERR] Diagnosis malfunction of front door satellite sensor LH
B0093-28		[OFFSET ERR] Offset malfunction of front door satellite sensor LH
B0093-81		[COMM ERR] Communication malfunction of front door satellite sensor LH
B0093-93		[RESET] Reset malfunction of front door satellite sensor LH
B0093-86		[UNMATCH] Front door satellite sensor LH is out of the specified specification
B0093-88		[OPEN] Front door satellite sensor LH circuit is open

POSSIBLE CAUSE

[RESET], [COMM ERR]

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

[OPEN]

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

[UNMATCH]

- Air bag diagnosis sensor unit and front door satellite sensor LH are different from the parts specified

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

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

[GND-SHORT]

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to [SRC-41, "Diagnosis Procedure"](#).

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to [SRC-41, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

- YES >> Refer to [SRC-41, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:000000012565227

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4. CONFIRM DTC

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

Is DTC still current?

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

5. FRONT DOOR SATELLITE SENSOR LH

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

Is DTC still current?

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B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

- 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-22. "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.

>> Inspection End.

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B0094 CRASH ZONE SENSOR

DTC Description

INFOID:000000012565228

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0094-11	CRASH ZONE SENS [Center Frontal Restraints Sensor (Subfault)]	[GND-SHORT] Crash zone sensor circuit is shorted to ground
B0094-23		[LOWER LIMIT ERR] Lower limit value malfunction of crash zone sensor
B0094-24		[UPPER LIMIT ERR] Upper limit value malfunction of crash zone sensor
B0094-25		[SELF-DIAG ERR] Diagnosis malfunction of crash zone sensor
B0094-28		[OFFSET ERR] Offset malfunction of crash zone sensor
B0094-81		[COMM ERR] Communication malfunction of crash zone sensor
B0094-86		[UNMATCH] Crash zone sensor is out of the specified specification
B0094-88		[OPEN] Crash zone sensor circuit is open
B0094-93		[RESET] Reset malfunction of crash zone sensor

POSSIBLE CAUSE

[RESET], [COMM ERR]

- Connection malfunction of harness and connector
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

[OPEN]

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

[UNMATCH]

- Air bag diagnosis sensor unit and crash zone sensor are different from the parts specified

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

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

[GND-SHORT]

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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 DIAGNOSTIC 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)

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

- YES >> Refer to [SRC-44, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:000000012565229

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4. CONFIRM DTC

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

Is DTC still current?

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

5. CRASH ZONE SENSOR

1. Replace the crash zone sensor. Refer to [SR-20, "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

- YES >> GO TO 6.

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22, "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.

>> Inspection End.

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B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

DTC Description

INFOID:0000000012565230

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0096-11	B-PILLAR SAT SEN RH [Right Frontal Restraints Sensor 1(Subfault)]	[GND-SHORT] RH side air bag (satellite) sensor circuit is shorted to ground
B0096-23		[LOWER LIMIT ERR] Lower limit value malfunction of RH side air bag (satellite) sensor
B0096-24		[UPPER LIMIT ERR] Upper limit value malfunction of RH side air bag (satellite) sensor
B0096-25		[SELF-DIAG ERR] Diagnosis malfunction of RH side air bag (satellite) sensor
B0096-28		[OFFSET ERR] Offset malfunction of RH side air bag (satellite) sensor
B0096-81		[COMM ERR] Communication malfunction of RH side air bag (satellite) sensor
B0096-86		[UNMATCH] RH side air bag (satellite) sensor is out of the specified specification
B0096-88		[OPEN] RH side air bag (satellite) sensor circuit is open
B0096-93		[RESET] Reset malfunction of RH side air bag (satellite) sensor

POSSIBLE CAUSE

[RESET], [COMM ERR]

- Connection malfunction of harness and connector
- Internal malfunction of RH side air bag (satellite) sensor
- Internal malfunction of air bag diagnosis sensor unit

[OPEN]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of RH side air bag (satellite) sensor
- Internal malfunction of air bag diagnosis sensor unit

[UNMATCH]

- Air bag diagnosis sensor unit and RH side air bag (satellite) sensor are different from the parts specified

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

- Internal malfunction of RH side air bag (satellite) sensor
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

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 DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13. "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012565231

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4. CONFIRM DTC

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

Is DTC still current?

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

5. RH SIDE AIR BAG (SATELLITE) SENSOR

1. Replace the RH side air bag (satellite) sensor. Refer to [SR-25. "Removal and Installation - Side Air Bag \(Satellite\) Sensor"](#).
2. Turn ignition switch ON.

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B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

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-22. "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.

>> Inspection End.

B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B0098 FRONT DOOR SATELLITE SENSOR RH

DTC Description

INFOID:000000012565232

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B0098-11	DOOR SATEL SENS RH [Right Frontal Restraints Sensor 3 (Subfault)]	[GND-SHORT] Front door satellite sensor RH circuit is shorted to ground
B0098-23		[LOWER LIMIT ERR] Lower limit value malfunction of front door satellite sensor RH
B0098-24		[UPPER LIMIT ERR] Upper limit value malfunction of front door satellite sensor RH
B0098-25		[SELF-DIAG ERR] Diagnosis malfunction of front door satellite sensor RH
B0098-28		[OFFSET ERR] Offset malfunction of front door satellite sensor RH
B0098-81		[COMM ERR] Communication malfunction of front door satellite sensor RH
B0098-86		[UNMATCH] Front door satellite sensor RH is out of the specified specification
B0098-88		[OPEN] Front door satellite sensor RH circuit is open
B0098-93		[RESET] Reset malfunction of front door satellite sensor RH

POSSIBLE CAUSE

[RESET], [COMM ERR]

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

[OPEN]

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

[UNMATCH]

- Air bag diagnosis sensor unit and front door satellite sensor RH are different from the parts specified

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

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

[GND-SHORT]

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to [SRC-50, "Diagnosis Procedure"](#).

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:000000012565233

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4. CONFIRM DTC

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

Is DTC still current?

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

5. FRONT DOOR SATELLITE SENSOR RH

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

Is DTC still current?

B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

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-22. "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.

>> Inspection End.

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SRC

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

DTC Description

INFOID:000000012565234

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.

DTC classification LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B00A0-02	OCCUPANT SENS [Occupant Classification System (Subfault)]	[UNIT MALFUNC]	Malfunction of occupant classification sensor
B00A0-09		[UNIT MALFUNC]	Malfunction of belt tension sensor
B00A0-04	OCCUPANT SENS C/U [Occupant Classification System (Subfault)]	[UNIT MALFUNC]	Malfunction of occupant classification sensor control unit
B00A0-83		[COMM ERR]	<ul style="list-style-type: none">• Communication malfunction of occupant classification sensor control unit• Communication blank of occupant classification sensor control unit
B00A0-86		[COMM ERR]	<ul style="list-style-type: none">• Communication malfunction of occupant classification sensor control unit• Communication blank of occupant classification sensor control unit
B00A0-87		[COMM ERR]	<ul style="list-style-type: none">• Communication malfunction of occupant classification sensor control unit• Communication blank of occupant classification sensor control unit
B00A0-88		[COMM ERR]	<ul style="list-style-type: none">• Communication malfunction of occupant classification sensor control unit• Communication blank of occupant classification sensor control unit
B00A0-93		[RESET]	Reset malfunction of occupant classification sensor control unit

POSSIBLE CAUSE

[RESET]

- Connection malfunction of harness and connector
- Internal malfunction of occupant classification system control unit
- Internal malfunction of air bag diagnosis sensor unit

[UNIT MALFUNC]

- Connection malfunction of harness or connector
- Internal malfunction of occupant classification system sensor
- Internal malfunction of air bag diagnosis sensor unit

[UNIT MALFUNC]

- Connection malfunction of harness and connector
- Internal malfunction of belt tension sensor
- Internal malfunction of air bag diagnosis sensor unit

[UNIT MALFUNC], [COMM ERR]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of occupant classification system control unit
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

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

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is the DTC detected?

YES (Current DTC)>>Refer to:

- B00A0-02, -04 or -93: [SRC-53, "Diagnosis Procedure \(B00A0-02, -04 or -93\)"](#)
- B00A0-09: [SRC-54, "Diagnosis Procedure \(B00A0-09\)"](#)
- B00A0-83, -86, -87 or -88: [SRC-55, "Diagnosis Procedure \(B00A0-83, -86, -87 or -88\)"](#)

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:

- B00A0-02, -04 or -93: [SRC-53, "Diagnosis Procedure \(B00A0-02, -04 or -93\)"](#)
- B00A0-09: [SRC-54, "Diagnosis Procedure \(B00A0-09\)"](#)
- B00A0-83, -86, -87 or -88: [SRC-55, "Diagnosis Procedure \(B00A0-83, -86, -87 or -88\)"](#)

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

NOTE:

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

Is the DTC detected?

YES >> Refer to:

- B00A0-02, -04 or -93: [SRC-53, "Diagnosis Procedure \(B00A0-02, -04 or -93\)"](#)
- B00A0-09: [SRC-54, "Diagnosis Procedure \(B00A0-09\)"](#)
- B00A0-83, -86, -87 or -88: [SRC-55, "Diagnosis Procedure \(B00A0-83, -86, -87 or -88\)"](#)

NO >> Inspection End.

Diagnosis Procedure (B00A0-02, -04 or -93)

INFOID:0000000012565235

1.HARNES CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 3.

NO >> Perform the following repairs. Then, GO TO 2.

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

2.CONFIRM DTC

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. Inspection End.

3.REPLACE OCS CONTROL UNIT AND OCS SENSOR

1. Replace the OCS control unit and OCS sensor. Refer to [SR-24, "Removal and Installation"](#).

2. Turn ignition switch ON.

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 4.

NO >> Clear DTC. Inspection End.

4. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22. "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. Inspection End.

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. Inspection End.

6. REPLACE BELT TENSION SENSOR

1. Replace the belt tension sensor. Refer to [SB-7. "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. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to [SE-46. "Seat Cushion Trim and Pad"](#).

2. Clear DTC.

>> Inspection End.

Diagnosis Procedure (B00A0-09)

INFOID:000000012565236

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

YES >> GO TO 3.

NO >> Perform the following repairs. Then, GO TO 2.

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

2. CONFIRM DTC

1. Reconnect all harness connectors.

2. Turn ignition switch ON.

3. Check for DTC using CONSULT.

Is DTC still current?

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

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

3. REPLACE BELT TENSION SENSOR

1. Replace the belt tension sensor. Refer to [SB-7, "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. Inspection End.

4. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22, "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. Inspection End.

5. RELATED HARNESS

1. Replace the related harnesses (belt tension sensor to OCS control unit, OCS sensor 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. Inspection End.

6. REPLACE OCS CONTROL UNIT AND OCS SENSOR

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

Is DTC still current?

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

7. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to [SE-46, "Seat Cushion Trim and Pad"](#).
2. Clear DTC.

>> Inspection End.

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

INFOID:000000012565237

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

2. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Clear DTC. Inspection End.

3. REPLACE OCS CONTROL UNIT, OCS SENSOR AND BELT TENSION SENSOR

1. Replace the OCS control unit and OCS sensor. Refer to [SR-24, "Removal and Installation"](#).
2. Replace the belt tension sensor. Refer to [SB-7, "Removal and Installation"](#).
3. Turn ignition switch ON.
4. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 4.

NO >> Clear DTC. Inspection End.

4. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22, "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. Inspection End.

5. RELATED HARNESS

1. Replace the related harnesses (OCS sensor to OCS control unit, belt tension sensor 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. Inspection End.

6. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to [SE-46, "Seat Cushion Trim and Pad"](#).
2. Clear DTC.

>> Inspection End.

B00D2 FRONT PASSENGER AIR BAG ON INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

B00D2 FRONT PASSENGER AIR BAG ON INDICATOR

DTC Description

INFOID:000000012565238

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B00D2-04	PASS A/B INDCTR CKT [Restraint System Passenger Disable Indicator (Sub-fault)]	[UNIT MALFUNC] Malfunction in front passenger air bag ON indicator circuit
B00D2-11		[GND-SHORT] Front passenger air bag ON indicator circuit is shorted to ground
B00D2-12		[VB-SHORT] Front passenger air bag ON indicator circuit is shorted to power supply circuit
B00D2-13		[OPEN] Front passenger air bag ON indicator circuit is open
B00D2-15		[PWE-SHORT/OPEN] Front passenger air bag ON indicator circuit is open or shorted to power supply circuit

POSSIBLE CAUSE

[B00D2-04]

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

[B00D2-11]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of front passenger air bag ON indicator
- Internal malfunction of air bag diagnosis sensor unit

[B00D2-12]

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

[B00D2-13]

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

[B00D2-15]

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

FAIL-SAFE

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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-58. "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?

B00D2 FRONT PASSENGER AIR BAG ON INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

- YES >> Inspection End.
NO >> Refer to [SRC-58, "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-13, "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

- YES >> Refer to [SRC-58, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:000000012565239

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4. CONFIRM DTC

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

Is DTC still current?

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

5. PASSENGER AIR BAG ON INDICATOR

1. Replace the passenger air bag off indicator. Refer to [IP-14, "Exploded View"](#).
2. Turn ignition switch ON.

B00D2 FRONT PASSENGER AIR BAG ON INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

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-22, "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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B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

B00D5 PASSENGER AIR BAG OFF INDICATOR

DTC Description

INFOID:000000012565240

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B00D5-04	PASS A/B INDCTR CKT [Restraint System Passenger Disable Indicator (Sub-fault)]	[UNIT MALFUNC] Malfunction in front passenger air bag OFF indicator circuit
B00D5-11		[GND-SHORT] Front passenger air bag OFF indicator circuit is shorted to ground
B00D5-12		[VB-SHORT] Front passenger air bag OFF indicator circuit is shorted to power supply circuit
B00D5-13		[OPEN] Front passenger air bag OFF indicator circuit is open
B00D5-15		[PWR-SHORT/OPEN] Front passenger air bag OFF indicator circuit is open or shorted to power supply circuit

POSSIBLE CAUSE

[UNIT MALFUNC]

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

[PWR-SHORT / OPEN]

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

[OPEN]

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

[VB-SHORT]

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

[GND-SHORT]

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

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

2. ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

1. CHECK SELF DIAGNOSTIC RESULT

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

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:000000012565241

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4. CONFIRM DTC

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

Is DTC still current?

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

5. FRONT PASSENGER AIR BAG 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.

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B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22, "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.

>> Inspection End.

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

< DTC/CIRCUIT DIAGNOSIS >

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

DTC Description

INFOID:000000012565242

DTC DETECTION LOGIC

DTC	CONSULT screen items	DTC detecting condition
B1400-00	CONTROL UNIT [UNIT MALFUNC]	Air bag diagnosis sensor unit is malfunctioning
B1401-00		
B1402-00		
B1403-00		
B1404-00		
B1405-00		

POSSIBLE CAUSE

[UNIT MALFUNC]

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1. CHECK SELF DIAGNOSTIC RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-63, "Diagnosis Procedure"](#).
NO-1 >> To check malfunction symptom before repair: Refer to [GI-43, "Intermittent Incident"](#).
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:000000012565243

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

- YES >> GO TO 2.
NO-1 >> Damage: Replace malfunctioning harness and connector.
NO-2 >> Disconnection or looseness: Securely lock the connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace malfunctioning harness and connector.

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

< DTC/CIRCUIT DIAGNOSIS >

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-63, "DTC Description"](#).

Is DTC detected?

- YES >> GO TO 1.
NO >> Inspection End.

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

< DTC/CIRCUIT DIAGNOSIS >

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

DTC Description

INFOID:000000012565244

DTC DETECTION LOGIC

DTC	CONSULT screen items	DTC detecting condition
B1406-00	CONTROL UNIT [UNIT MALFUNC]	Air bag diagnosis sensor unit is malfunctioning
B1407-00		
B1408-00		
B1409-00		
B1410-00		

POSSIBLE CAUSE

[UNIT MALFUNC]

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1. CHECK SELF DIAGNOSIS RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-65, "Diagnosis Procedure"](#).
NO-1 >> To check malfunction symptom before repair: Refer to [GI-43, "Intermittent Incident"](#).
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:000000012565245

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

- YES >> GO TO 2.
NO-1 >> Damage: Replace malfunctioning harness and connector.
NO-2 >> Disconnection or looseness: Securely lock the connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace malfunctioning harness and connector.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Removal and Installation"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

2. Perform DTC confirmation procedure. Refer to [SRC-65. "DTC Description"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> Inspection End.

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

< DTC/CIRCUIT DIAGNOSIS >

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

DTC Description

INFOID:000000012565246

DTC DETECTION LOGIC

DTC	CONSULT screen items	DTC detecting condition
B1411-00	CONTROL UNIT [UNIT MALFUNC]	Air bag diagnosis sensor unit is malfunctioning
B1412-00		
B1413-00		
B1414-00		
B1415-00		

POSSIBLE CAUSE

[UNIT MALFUNC]

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1. CHECK SELF DIAGNOSTIC RESULT

 With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" of "AIR BAG" using CONSULT.

 Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-67, "Diagnosis Procedure"](#).
NO-1 >> To check malfunction symptom before repair: Refer to [GI-43, "Intermittent Incident"](#).
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:000000012565247

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

- YES >> GO TO 2.
NO-1 >> Damage: Replace malfunctioning harness and connector.
NO-2 >> Disconnection or looseness: Securely lock the connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace malfunctioning harness and connector.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-22, "Removal and Installation"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

2. Perform DTC confirmation procedure. Refer to [SRC-67. "DTC Description"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> Inspection End.

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

< DTC/CIRCUIT DIAGNOSIS >

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

DTC Description

INFOID:000000012565248

DTC DETECTION LOGIC

DTC	CONSULT screen items	DTC detecting condition
B1416-00	CONTROL UNIT [UNIT MALFUNC]	Air bag diagnosis sensor unit is malfunctioning
B1417-00		
B1418-00		
B1419-00		
B1420-00		

POSSIBLE CAUSE

[UNIT MALFUNC]

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1. CHECK SELF DIAGNOSTIC RESULT

With CONSULT

- Turn ignition switch ON.
- Perform "Self Diagnostic Result" of "AIR BAG" using CONSULT.

Without CONSULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-69, "Diagnosis Procedure"](#).
NO-1 >> To check malfunction symptom before repair: Refer to [GI-43, "Intermittent Incident"](#).
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:000000012565249

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

- YES >> GO TO 2.
NO-1 >> Damage: Replace malfunctioning harness and connector.
NO-2 >> Disconnection or looseness: Securely lock the connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace malfunctioning harness and connector.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to [SR-22, "Removal and Installation"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

2. Perform DTC confirmation procedure. Refer to [SRC-69. "DTC Description"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> Inspection End.

B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

B142A IGNITION VOLTAGE

DTC Description

INFOID:0000000012565250

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B142A-16	IGNITION VOLTAGE (Ignition voltage low)	[VB-LOW]	Power supply malfunction (low voltage) of air bag diagnosis sensor unit
B142A-17	IGNITION VOLTAGE (Ignition voltage high)	[VB-HIGH]	Power supply malfunction (high voltage) of air bag diagnosis sensor unit

POSSIBLE CAUSE

[VB-LOW]

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

[VB-HIGH]

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

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check for 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 DIAGNOSTIC 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 DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012565251

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal
- Loose terminal

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B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

- Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

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

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

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

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22, "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.

>> Inspection End.

B142B IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

B142B IGNITION VOLTAGE

DTC Description

INFOID:0000000012565252

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B142B-16	IGNITION VOLTAGE (Ignition voltage low)	[VB-LOW]	Power supply malfunction (low voltage) of air bag diagnosis sensor unit
B142B-17	IGNITION VOLTAGE (Ignition voltage high)	[VB-HIGH]	Power supply malfunction (high voltage) of air bag diagnosis sensor unit

POSSIBLE CAUSE

[VB-LOW]

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

[VB-HIGH]

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

FAIL-SAFE

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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-73, "Diagnosis Procedure"](#).

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-73, "Diagnosis Procedure"](#).

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012565253

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal
- Loose terminal

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B142B IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

- Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3

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

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

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

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22, "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

DTC Description

INFOID:000000012565254

DTC DETECTION LOGIC

DTC	CONSULT screen items	DTC detecting condition
B1421-00	FRONTAL COLLISION DETECTION	Frontal collision detected.
B1422-00	SIDE COLLISION DETECTION	Side collision detected.
B1423-00	ROLLOVER DETECTION	Rollover collision detected.
B1425-00	REAR COLLISION	Rear collision detected.

POSSIBLE CAUSE

- Malfunction of frontal-related parts
- Malfunction of side-related parts
- Rollover detection
- Malfunction of rear-related parts
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF DIAGNOSTIC RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

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

Diagnosis Procedure

INFOID:000000012565255

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

B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS >

B1428 SEAT BELT BUCKLE SWITCH LH

DTC Description

INFOID:000000012565256

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

[B1428-13]

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

[B1428-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt buckle switch LH

[B1428-11]

- Connection malfunction or short circuit to ground of harness or connector
- Internal malfunction of seat belt buckle switch LH

[B1428-00]

- Internal malfunction of seat belt buckle switch LH

FAIL-SAFE

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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-77, "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-77, "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-13, "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-77, "Diagnosis Procedure"](#).

NO >> Inspection End.

B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS >

Diagnosis Procedure

INFOID:000000012565257

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-43, "Intermittent Incident"](#).

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

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

5. SEAT BELT BUCKLE SWITCH LH

1. Replace the seat belt buckle switch LH. Refer to [SB-7, "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-22, "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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B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS >

7.RELATED HARNESS

Replace the related harness.

>> END

B1429 SEAT BELT BUCKLE SWITCH RH

< DTC/CIRCUIT DIAGNOSIS >

B1429 SEAT BELT BUCKLE SWITCH RH

DTC Logic

INFOID:000000012565258

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

[B1429-13]

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

[B1429-12]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt buckle switch RH

[B1429-11]

- Connection malfunction or short circuit to ground of harness or connector
- Internal malfunction of seat belt buckle switch RH

[B1429-00]

- Internal malfunction of seat belt buckle switch RH

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to [SRC-80. "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-80. "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-13. "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

YES >> Refer to [SRC-80. "Diagnosis Procedure"](#).

NO >> Inspection End.

B1429 SEAT BELT BUCKLE SWITCH RH

< DTC/CIRCUIT DIAGNOSIS >

Diagnosis Procedure

INFOID:000000012565259

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-43, "Intermittent Incident"](#).

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

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

5. SEAT BELT BUCKLE SWITCH RH

Replace the seat belt buckle switch RH. Refer to [SB-7, "Removal and Installation"](#).

>> GO TO 6

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22, "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.

B1429 SEAT BELT BUCKLE SWITCH RH

< DTC/CIRCUIT DIAGNOSIS >

>> END

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B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

B1430 SEAT BELT PRE-TENSIONER

DTC Description

INFOID:000000012565260

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1430-09	PRE-TEN FRONT LH [front seat belt pre-tensioner squib left hand component failures (cross connection)]	[SHORT]	Front LH seat belt pre-tensioner circuits are shorted to each other
B1430-11	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit short to GND)	[GND-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to ground
B1430-12	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit short to battery)	[VB-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to power supply circuit
B1430-13	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit)	[OPEN]	Front LH seat belt pre-tensioner circuit is open
B1430-1A	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit resistance below threshold)	[SHORT]	Front LH seat belt pre-tensioner circuits are shorted to each other

POSSIBLE CAUSE

[OPEN]

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

[VB-SHORT]

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

[GND-SHORT]

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

[SHORT]

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

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

- YES (Current DTC)>> Refer to [SRC-83, "Diagnosis Procedure"](#).
- YES (Past DTC)>> GO TO 2.
- NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

Erase the DTC using CONSULT.

Can the DTC be erased?

- YES >> Inspection End.
NO >> Refer to [SRC-83, "Diagnosis Procedure"](#).

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13, "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

- YES >> Refer to [SRC-83, "Diagnosis Procedure"](#).
NO >> Inspection End.

Diagnosis Procedure

INFOID:000000012565261

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4. CONFIRM DTC

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

Is DTC still current?

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

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B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22. "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 LH SEAT BELT PRE-TENSIONER

1. Replace the front LH seat belt pre-tensioner. Refer to [SR-21. "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

B1431 SEAT BELT PRE-TENSIONER

DTC Description

INFOID:000000012565262

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1431-09	PRE-TEN FRONT RH [front seat belt pre-tensioner squib right hand component failures (cross connection)]	[SHORT]	Front RH seat belt pre-tensioner circuits are shorted to each other
B1431-11	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit short to GND)	[GND-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to ground
B1431-12	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit short to battery)	[VB-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to power supply circuit
B1431-13	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit)	[OPEN]	Front RH seat belt pre-tensioner circuit is open
B1431-1A	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit resistance below threshold)	[SHORT]	Front RH seat belt pre-tensioner circuits are shorted to each other

POSSIBLE CAUSE

[OPEN]

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

[VB-SHORT]

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

[GND-SHORT]

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

[SHORT]

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

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

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

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

Erase the DTC using CONSULT.

Can the DTC be erased?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13. "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:000000012565263

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

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

4. CONFIRM DTC

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

Is DTC still current?

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

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22. "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 RH SEAT BELT PRE-TENSIONER

1. Replace the front RH seat belt pre-tensioner. Refer to [SR-21. "Removal and Installation"](#).
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

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B1500 DOOR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B1500 DOOR SATELLITE SENSOR

DTC Description

INFOID:000000012565264

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition
B1500-23	DOOR SATEL SENS [Restraints Sensor 3 (Sub-fault)]	[LOWER LIMIT ERR] Lower limit value malfunction of front door satellite sensor LH or RH
B1500-24		[UPPER LIMIT ERR] Upper limit value malfunction of front door satellite sensor LH or RH
B1500-28		[PERFRM ERR/IN-CRCT OPE] Malfunction of front door satellite sensor LH or RH

POSSIBLE CAUSE

[B1500-23, B1500-24, B1500-28]

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

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

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

Is the DTC detected?

- YES (Current DTC)>>Refer to [SRC-88. "Diagnosis Procedure"](#).
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-13. "SRS Operation Check"](#).

NOTE:

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:000000012565265

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).

B1500 DOOR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

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

2.CONFIRM DTC

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

Is DTC still current?

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

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). G

Is the inspection result normal?

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

4.CONFIRM DTC

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

Is DTC still current?

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

5.FRONT DOOR SATELLITE SENSOR LH AND RH

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

Is DTC still current?

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

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to [SR-22. "Removal and Installation"](#). Q
2. Turn ignition switch ON.
3. Check for DTC using CONSULT. R

Is DTC still current?

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

7.RELATED HARNESS

Replace the related harness. T

>> **END**

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:000000012565266

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
U1000-01	CAN COMM CIRCUIT	—	—	SRC-17. "Diagnosis Procedure"
U1010-49	CONTROL UNIT (CAN)	—	—	SRC-18. "Diagnosis Procedure"
B0001-00	DRIVER AIRBAG MODULE [SHORT]	Front air bag system	1	SRC-20. "Diagnosis Procedure"
B0001-09	DRIVER AIRBAG MODULE [SHORT]			
B0001-11	DRIVER AIRBAG MODULE [GND-SHORT]			
B0001-12	DRIVER AIRBAG MODULE [VB-SHORT]			
B0001-13	DRIVER AIRBAG MODULE [OPEN]			
B0001-1A	DRIVER AIRBAG MODULE [SHORT]			
B0002-00	DRIVER AIRBAG MODULE 2 [SHORT]	Front air bag system	1	SRC-20. "Diagnosis Procedure"
B0002-09	DRIVER AIRBAG MODULE 2 [SHORT]			
B0002-11	DRIVER AIRBAG MODULE 2 [GND-SHORT]			
B0002-12	DRIVER AIRBAG MODULE 2 [VB-SHORT]			
B0002-13	DRIVER AIRBAG MODULE 2 [OPEN]			
B0002-1A	DRIVER AIRBAG MODULE 2 [SHORT]			
B0010-09	ASSIST A/B MODULE [SHORT]	Front air bag system	2	SRC-23. "Diagnosis Procedure"
B0010-11	ASSIST A/B MODULE [GND-SHORT]			
B0010-12	ASSIST A/B MODULE [VB-SHORT]			
B0010-13	ASSIST A/B MODULE [OPEN]			
B0010-1A	ASSIST A/B MODULE [SHORT]			
B0011-09	ASSIST A/B MODULE 2 [SHORT]	Front air bag system	2	SRC-23. "Diagnosis Procedure"
B0011-11	ASSIST A/B MODULE 2 [GND-SHORT]			
B0011-12	ASSIST A/B MODULE 2 [VB-SHORT]			
B0011-13	ASSIST A/B MODULE 2 [OPEN]			
B0011-1A	ASSIST A/B MODULE 2 [SHORT]			
B0020-09	SIDE A/B MODULE LH [SHORT]	Side air bag system	1	SRC-26. "Diagnosis Procedure"
B0020-11	SIDE A/B MODULE LH [GND-SHORT]			
B0020-12	SIDE A/B MODULE LH [VB-SHORT]			
B0020-13	SIDE A/B MODULE LH [OPEN]			
B0020-1A	SIDE A/B MODULE LH [SHORT]			
B0021-09	CURTAIN A/B MODULE LH [SHORT]	Side air bag system	3	SRC-29. "Diagnosis Procedure"
B0021-11	CURTAIN A/B MODULE LH [GND-SHORT]			
B0021-12	CURTAIN A/B MODULE LH [VB-SHORT]			
B0021-13	CURTAIN A/B MODULE LH [OPEN]			
B0021-1A	CURTAIN A/B MODULE LH [SHORT]			

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B0028-09	SIDE A/B MODULE RH [SHORT]	Side air bag system	2	SRC-32. "Diagnosis Procedure"
B0028-11	SIDE A/B MODULE RH [GND-SHORT]			
B0028-12	SIDE A/B MODULE RH [VB-SHORT]			
B0028-13	SIDE A/B MODULE RH [OPEN]			
B0028-1A	SIDE A/B MODULE RH [SHORT]			
B0029-09	CURTAIN A/B MODULE RH [SHORT]	Side air bag system	4	SRC-35. "Diagnosis Procedure"
B0029-11	CURTAIN A/B MODULE RH [GND-SHORT]			
B0029-12	CURTAIN A/B MODULE RH [VB-SHORT]			
B0029-13	CURTAIN A/B MODULE RH [OPEN]			
B0029-1A	CURTAIN A/B MODULE RH [SHORT]			
B0091-11	B-PILLAR SAT SEN LH [GND-SHORT]	Sensor system	2	SRC-38. "Diagnosis Procedure"
B0091-23	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]			
B0091-24	B-PILLAR SAT SEN LH [UPPER LIMIT ERR]			
B0091-25	B-PILLAR SAT SEN LH [SELF-DIAG ERR]			
B0091-28	B-PILLAR SAT SEN LH [OFFSET ERR]			
B0091-81	B-PILLAR SAT SEN LH [COMM ERR]			
B0091-86	B-PILLAR SAT SEN LH [UNMATCH]			
B0091-88	B-PILLAR SAT SEN LH [OPEN]			
B0091-93	B-PILLAR SAT SEN LH [RESET]			
B0093-11	DOOR SATEL SENS LH [GND-SHORT]	Sensor system	6	SRC-41. "Diagnosis Procedure"
B0093-23	DOOR SATEL SENS LH [LOWER LIMIT ERR]			
B0093-24	DOOR SATEL SENS LH [UPPER LIMIT ERR]			
B0093-25	DOOR SATEL SENS LH [SELF-DIAG ERR]			
B0093-28	DOOR SATEL SENS LH [OFFSET ERR]			
B0093-81	DOOR SATEL SENS LH [COMM ERR]			
B0093-86	DOOR SATEL SENS LH [UNMATCH]			
B0093-88	DOOR SATEL SENS LH [OPEN]			
B0093-93	DOOR SATEL SENS LH [RESET]			
B0094-11	CRASH ZONE SENS [GND-SHORT]	Sensor system	1	SRC-44. "Diagnosis Procedure"
B0094-23	CRASH ZONE SENS [LOWER LIMIT ERR]			
B0094-24	CRASH ZONE SENS [UPPER LIMIT ERR]			
B0094-25	CRASH ZONE SENS [SELF-DIAG ERR]			
B0094-28	CRASH ZONE SENS [OFFSET ERR]			
B0094-81	CRASH ZONE SENS [COMM ERR]			
B0094-86	CRASH ZONE SENS [UNMATCH]			
B0094-88	CRASH ZONE SENS [OPEN]			
B0094-93	CRASH ZONE SENS [RESET]			

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B0096-11	B-PILLAR SAT SEN RH [GND-SHORT]	Sensor system	3	SRC-47. "Diagnosis Procedure"
B0096-23	B-PILLAR SAT SEN RH [LOWER LIMIT ERR]			
B0096-24	B-PILLAR SAT SEN RH [UPPER LIMIT ERR]			
B0096-25	B-PILLAR SAT SEN RH [SELF-DIAG ERR]			
B0096-28	B-PILLAR SAT SEN RH [OFFSET ERR]			
B0096-81	B-PILLAR SAT SEN RH [COMM ERR]			
B0096-86	B-PILLAR SAT SEN RH [UNMATCH]			
B0096-88	B-PILLAR SAT SEN RH [OPEN]			
B0096-93	B-PILLAR SAT SEN RH [RESET]			
B0098-11	DOOR SATEL SENS RH [GND-SHORT]	Sensor system	7	SRC-50. "Diagnosis Procedure"
B0098-23	DOOR SATEL SENS RH [LOWER LIMIT ERR]			
B0098-24	DOOR SATEL SENS RH [UPPER LIMIT ERR]			
B0098-25	DOOR SATEL SENS RH [SELF-DIAG ERR]			
B0098-28	DOOR SATEL SENS RH [OFFSET ERR]			
B0098-81	DOOR SATEL SENS RH [COMM ERR]			
B0098-86	DOOR SATEL SENS RH [UNMATCH]			
B0098-88	DOOR SATEL SENS RH [OPEN]			
B0098-93	DOOR SATEL SENS RH [RESET]			
B00A0-02	OCCUPANT SENS [UNIT MALFUNC]	Air bag control unit system	4	SRC-53. "Diagnosis Procedure (B00A0-02, -04 or -93)"
B00A0-09	OCCUPANT SENS [UNIT MALFUNC]			SRC-54. "Diagnosis Procedure (B00A0-09)"
B00A0-04	OCCUPANT SENS C/U [UNIT MALFUNC]			SRC-53. "Diagnosis Procedure (B00A0-02, -04 or -93)"
B00A0-83	OCCUPANT SENS C/U [COMM ERR]			SRC-55. "Diagnosis Procedure (B00A0-83, -86, -87 or -88)"
B00A0-86	OCCUPANT SENS C/U [COMM ERR]			
B00A0-87	OCCUPANT SENS C/U [COMM ERR]			
B00A0-88	OCCUPANT SENS C/U [COMM ERR]			
B00A0-93	OCCUPANT SENS C/U [RESET]	SRC-53. "Diagnosis Procedure (B00A0-02, -04 or -93)"		
B00D2-04	PASS A/B B INDCTR CKT [UNIT MALFUNC]	Air bag control unit system	3	SRC-58. "Diagnosis Procedure"
B00D2-11	PASS A/B B INDCTR CKT [GND-SHORT]			
B00D2-12	PASS A/B B INDCTR CKT [VB-SHORT]			
B00D2-13	PASS A/B B INDCTR CKT [OPEN]			
B00D2-15	PASS A/B B INDCTR CKT [PWR-SHORT/ OPEN]			

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page	
		System display	Item display		
B00D5-04	PASS A/B INDCTR CKT [UNIT MALFUNC]	Air bag control unit system	3	SRC-61. "Diagnosis Procedure"	A
B00D5-11	PASS A/B INDCTR CKT [GND-SHORT]				B
B00D5-12	PASS A/B INDCTR CKT [VB-SHORT]				C
B00D5-13	PASS A/B INDCTR CKT [OPEN]				
B00D5-15	PASS A/B INDCTR CKT [PWR-SHORT/OPEN]				
B1400-00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-63. "Diagnosis Procedure"	D
B1401-00					E
B1402-00					
B1403-00					
B1404-00					
B1405-00					
B1406-00					
B1407-00					
B1408-00					
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B1410-00					
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B1412-00					
B1413-00					
B1414-00					
B1415-00					
B1416-00					
B1417-00					
B1418-00					
B1419-00					
B1420-00					
B1421-00	FRONTAL COLLISION	Air bag control unit system	1	SRC-75. "Diagnosis Procedure"	L
B1422-00	SIDE COLLISION				M
B1423-00	ROLLOVER DETECTION				
B1425-00	REAR COLLISION				
B142A-16	IGNITION VOLTAGE [VB-LOW]	—	—	SRC-71. "Diagnosis Procedure"	N
B142A-17	IGNITION VOLTAGE [VB-HIGH]	—	—		
B142B-16	IGNITION VOLTAGE [VB-LOW]	—	—	SRC-73. "Diagnosis Procedure"	O
B142B-17	IGNITION VOLTAGE [VB-HIGH]	—	—		
B1428-13	BUCKLE SW LH CIRCUIT [OPEN]	Air bag control unit system	8	SRC-77. "Diagnosis Procedure"	P
B1428-12	BUCKLE SW LH CIRCUIT [VB-SHORT]				
B1428-11	BUCKLE SW LH CIRCUIT [GND-SHORT]				
B1428-00	BUCKLE SW LH CIRCUIT [UNDEFINED]				
B1429-13	BUCKLE SW RH CIRCUIT [OPEN]				
B1429-12	BUCKLE SW RH CIRCUIT [VB-SHORT]		9	SRC-80. "Diagnosis Procedure"	
B1429-11	BUCKLE SW RH CIRCUIT [GND-SHORT]				
B1429-00	BUCKLE SW RH CIRCUIT [UNDEFINED]				

SRC

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B1430-09	PRE-TEN FRONT LH [SHORT]	Front air bag system	3	SRC-83. "Diagnosis Procedure"
B1430-11	PRE-TEN FRONT LH [GND-SHORT]			
B1430-12	PRE-TEN FRONT LH [VB-SHORT]			
B1430-13	PRE-TEN FRONT LH [OPEN]			
B1430-1A	PRE-TEN FRONT LH [SHORT]			
B1431-09	PRE-TEN FRONT RH [SHORT]	Front air bag system	4	SRC-86. "Diagnosis Procedure"
B1431-11	PRE-TEN FRONT RH [GND-SHORT]			
B1431-12	PRE-TEN FRONT RH [VB-SHORT]			
B1431-13	PRE-TEN FRONT RH [OPEN]			
B1431-1A	PRE-TEN FRONT RH [SHORT]			
B1500-23	DOOR SATELLITE SENSOR [LOWER LIMIT ERR]	Sensor system	6	SRC-88. "Diagnosis Procedure"
B1500-24	DOOR SATELLITE SENSOR [UPPER LIMIT ERR]			
B1500-92	DOOR SATELLITE SENSOR [PERFRM ERR/ INCRCT OPE]			

Flash Code Index

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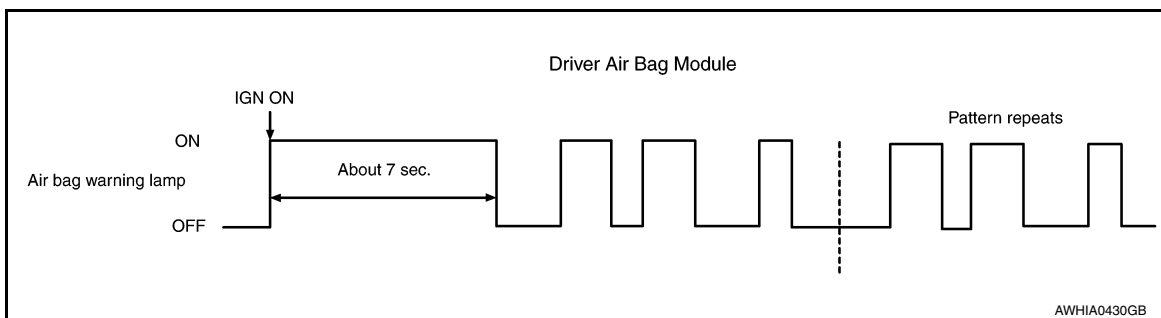
WARNING LAMP FLASH CODE CHART

How to read flash codes

1. Put the vehicle in Diagnosis Mode. Refer to [SRC-15. "Trouble Diagnosis without CONSULT"](#).
2. All codes are 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

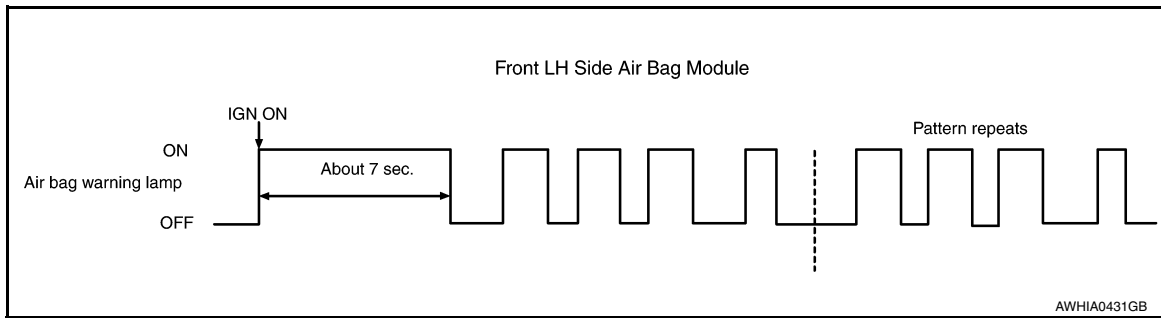


DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

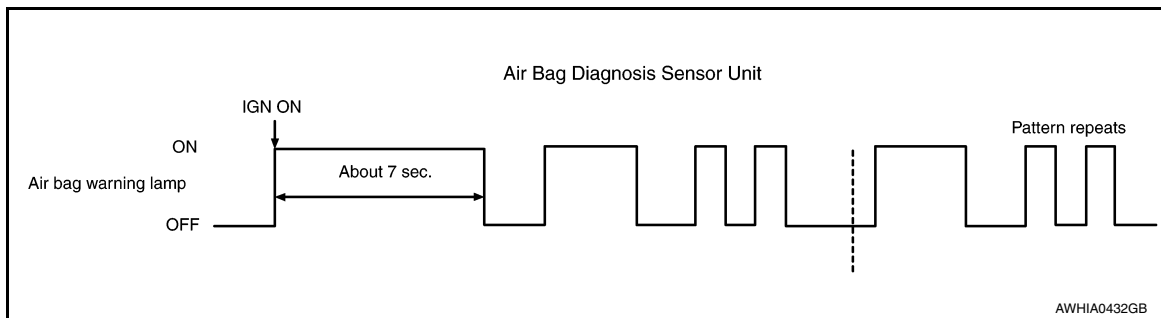
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	1	Driver air bag module	SRC-20. "Diagnosis Procedure"
		2	Passenger air bag module	SRC-23. "Diagnosis Procedure"
		3	Front LH seat belt pre-tensioner	SRC-83. "Diagnosis Procedure"
		4	Front RH seat belt pre-tensioner	SRC-86. "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-26. "Diagnosis Procedure"
		2	Front RH side air bag module	SRC-32. "Diagnosis Procedure"
		3	LH side curtain air bag module	SRC-29. "Diagnosis Procedure"
		4	RH side curtain air bag module	SRC-35. "Diagnosis Procedure"

Air bag subsystem



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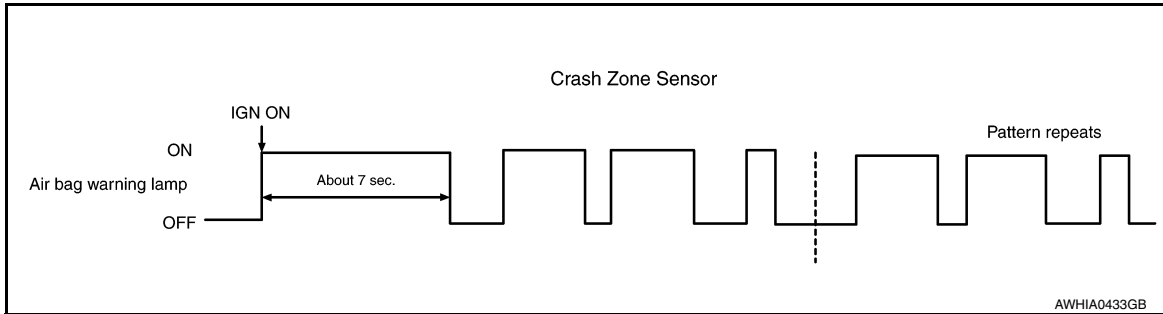
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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	1	Collision detection	SRC-75. "Diagnosis Procedure"
		2	Air bag diagnosis sensor unit	SRC-63. "Diagnosis Procedure" , SRC-67. "Diagnosis Procedure" , SRC-69. "Diagnosis Procedure" , SRC-69. "Diagnosis Procedure"
		3	Passenger air bag OFF indicator	SRC-61. "Diagnosis Procedure"
		4	Occupant classification system	SRC-53. "Diagnosis Procedure (B00A0-02, -04 or -93)" , SRC-54. "Diagnosis Procedure (B00A0-09)" , SRC-55. "Diagnosis Procedure (B00A0-83, -86, -87 or -88)"

Sensor subsystem



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	1	Crash zone sensor	SRC-44. "Diagnosis Procedure"
		2	LH side air bag (satellite) sensor	SRC-38. "Diagnosis Procedure"
		3	RH side air bag (satellite) sensor	SRC-47. "Diagnosis Procedure"
		6	Front door satellite sensor LH	SRC-41. "Diagnosis Procedure"
		7	Front door satellite sensor RH	SRC-50. "Diagnosis Procedure"

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

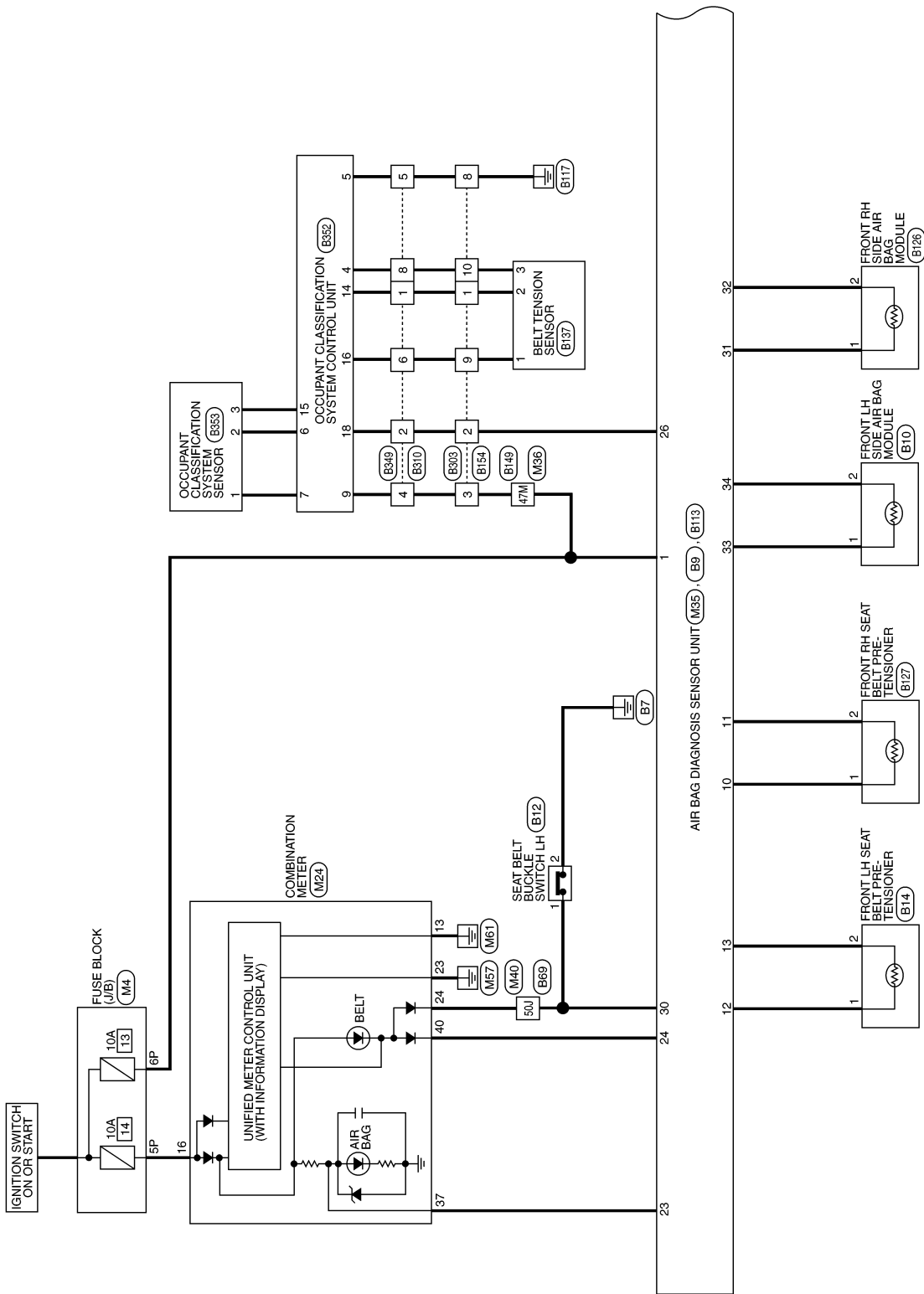
WIRING DIAGRAM

SRS AIR BAG CONTROL SYSTEM

Wiring Diagram - With Power Seats

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SRS AIR BAG CONTROL SYSTEM - WITH POWER SEATS



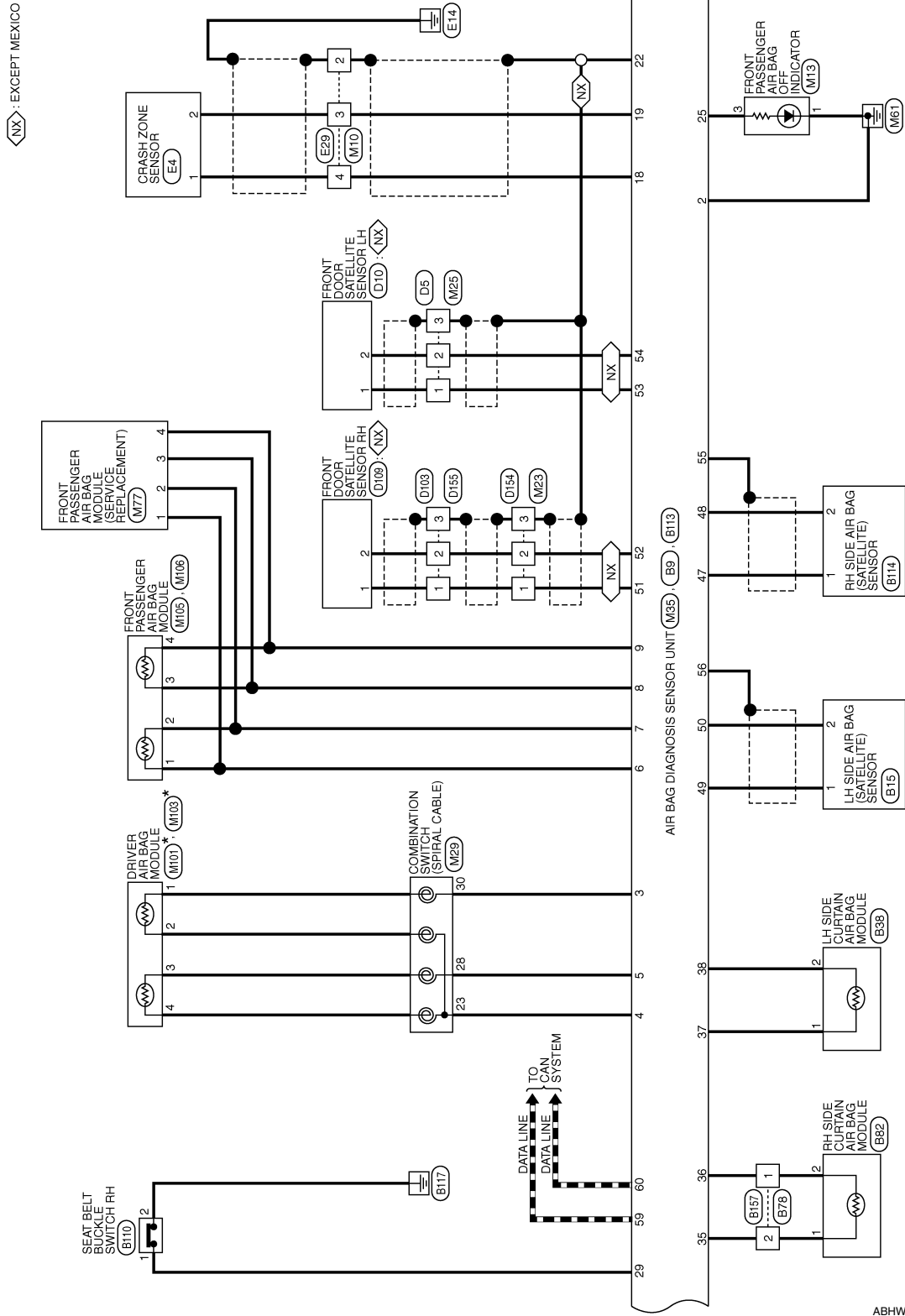
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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >



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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

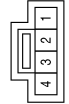
SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH POWER SEATS

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



Terminal No.	Color of Wire	Signal Name
5P	W/G	-
6P	W/R	-

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



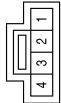
Terminal No.	Color of Wire	Signal Name
2	SHIELD	-
3	B	-
4	W	-

Connector No.	M13
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Color	BROWN

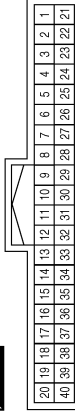


Terminal No.	Color of Wire	Signal Name
1	B	-
3	BG	-

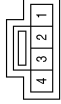
Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



Connector No.	M24
Connector Name	COMBINATION METER
Connector Color	WHITE



Connector No.	M25
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

Terminal No.	Color of Wire	Signal Name
13	GR	GROUND
16	W/G	RUN START
23	B	POWER GND
24	V	BUCKLE (SEATBELT) SW
37	SB	AIRBAG CONT
40	LG	PASS SEATBELT

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

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SRS AIR BAG CONTROL SYSTEM

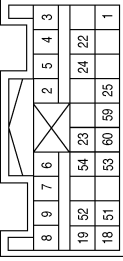
< WIRING DIAGRAM >

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



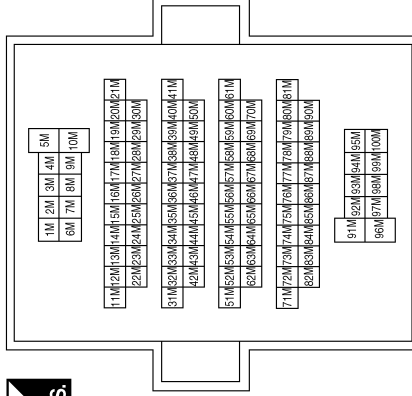
Terminal No.	Color of Wire	Signal Name
23	Y	-
28	Y/G	-
30	Y/R	-

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



Terminal No.	Color of Wire	Signal Name
1	W/R	IGN
2	B	GND
3	Y/R	DR1 (+)
4	Y	DR1/DR2 (-)
5	Y/G	DR2 (+)
6	Y/R	AS1 (+)
7	Y/G	AS1 (-)
8	Y/B	AS2 (+)
9	Y	AS2 (-)
18	W	ECZS (+)
19	B	ECZS (-)
22	SHIELD	GND
23	SB	AIRBAG W/L
24	LG	SEATBELT REMINDER
25	BG	CUT OFF TELLTALE
51	LG	DOOR SENS RH (+)
52	V	DOOR SENS RH (-)
53	G	DOOR SENS LH (+)
54	R	DOOR SENS LH (-)
59	L	CAN-H
60	P	CAN-L

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



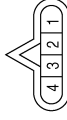
Terminal No.	Color of Wire	Signal Name
47M	W/R	-

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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

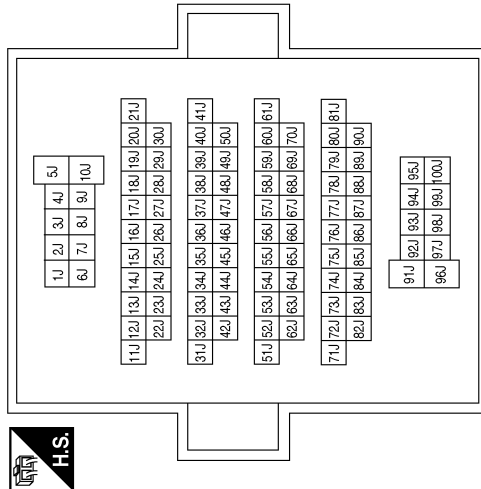
Connector No.	M77
Connector Name	FRONT PASSENGER AIR BAG MODULE (SERVICE REPLACEMENT)
Connector Color	YELLOW



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

Terminal No.	Color of Wire	Signal Name
50J	V	-

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



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



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

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



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

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



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

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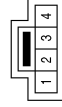
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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

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



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

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



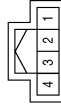
Terminal No.	Color of Wire	Signal Name
1	W	-
2	B	-

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



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

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



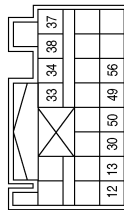
Terminal No.	Color of Wire	Signal Name
1	BG	-
2	B	-

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



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

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



Terminal No.	Color of Wire	Signal Name
12	Y	P-LH1 (+)
13	Y/B	P-LH1 (-)
30	BG	LH BUCKLE SW INPUT
33	Y	S-LH1 (+)
34	Y/B	S-LH1 (-)
37	Y	C-LH1 (+)
38	Y/G	C-LH1 (-)
49	BR	SATELLITE LH (+)
50	Y	SATELLITE LH (-)
56	SHIELD	GND

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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

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



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

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



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

Connector No.	B14
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER (CREW CAB)
Connector Color	YELLOW



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

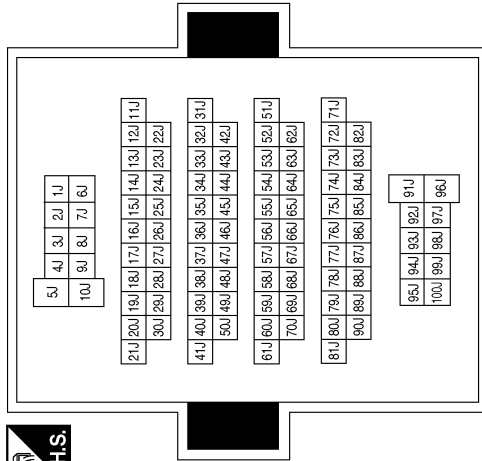
Connector No.	B78
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

Terminal No.	50J	Color of Wire	V	Signal Name	-
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Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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SRS AIR BAG CONTROL SYSTEM

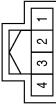
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Connector No.	B82
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Color	YELLOW



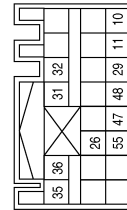
Terminal No.	Color of Wire	Signal Name
1	Y	-
2	Y/B	-

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



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

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



Terminal No.	Color of Wire	Signal Name
10	Y	P-RH1 (+)
11	Y/G	P-RH1 (-)
26	Y/B	ODS INPUT
29	L	RH BUCKLE SW INPUT
31	Y/B	S-RH1 (+)
32	Y	S-RH1 (-)

Terminal No.	Color of Wire	Signal Name
35	Y	C-RH1 (+)
36	Y/B	C-RH1 (-)
47	W	SATELLITE RH (+)
48	B	SATELLITE RH (-)
55	SHIELD	GND

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



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

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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

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



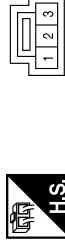
Terminal No.	Color of Wire	Signal Name
1	Y/B	-
2	Y	-

Connector No.	B127
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER (CREW CAB)
Connector Color	YELLOW



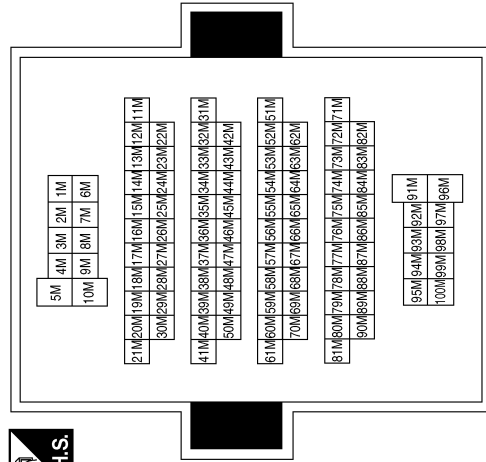
Terminal No.	Color of Wire	Signal Name
1	Y	-
2	Y/G	-

Connector No.	B137
Connector Name	BELT TENSION SENSOR (CREW CAB)
Connector Color	WHITE



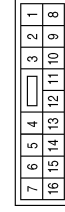
Terminal No.	Color of Wire	Signal Name
1	LG	-
2	G	-
3	L	-

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



Terminal No.	47M	Color of Wire	W/R	Signal Name
				-

Connector No.	B154
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	G	-
2	Y/B	-
3	W/R	-
8	B	-
9	LG	-
10	L	-

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SRS AIR BAG CONTROL SYSTEM

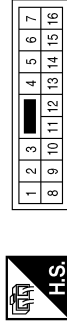
< WIRING DIAGRAM >

Connector No.	B157
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

Connector No.	B303
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	B/Y	-
2	O	-
3	V/W	-
8	B	-
9	Y/W	-
10	Y/B	-

Connector No.	B310
Connector Name	WIRE TO WIRE
Connector Color	WHITE



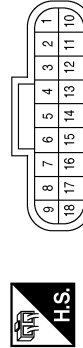
Terminal No.	Color of Wire	Signal Name
1	B/Y	-
2	O	-
4	V/W	-
5	B	-
6	Y/W	-
8	Y/B	-

Connector No.	B349
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

Connector No.	B352
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	-	-
2	-	-
3	-	-
4	L	BTS SIGNAL
5	B	GND
6	Y	PS SIGNAL

Terminal No.	Color of Wire	Signal Name
7	SB	PS 5V
8	-	-
9	W/R	IGN
10	-	-
11	-	-
12	-	-
13	-	-
14	G	BTS GND
15	O	PS GND
16	LG	BTS 5V
17	-	-
18	Y/B	COMMUNICATION

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SRS AIR BAG CONTROL SYSTEM

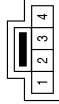
< WIRING DIAGRAM >

Connector No.	D10
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Color	YELLOW



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

Connector No.	D5
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

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



Terminal No.	Color of Wire	Signal Name
1	SB	-
2	Y	-
3	O	-

Connector No.	D154
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

Connector No.	D109
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Color	YELLOW



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

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



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

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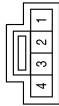
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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Connector No.	D155
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

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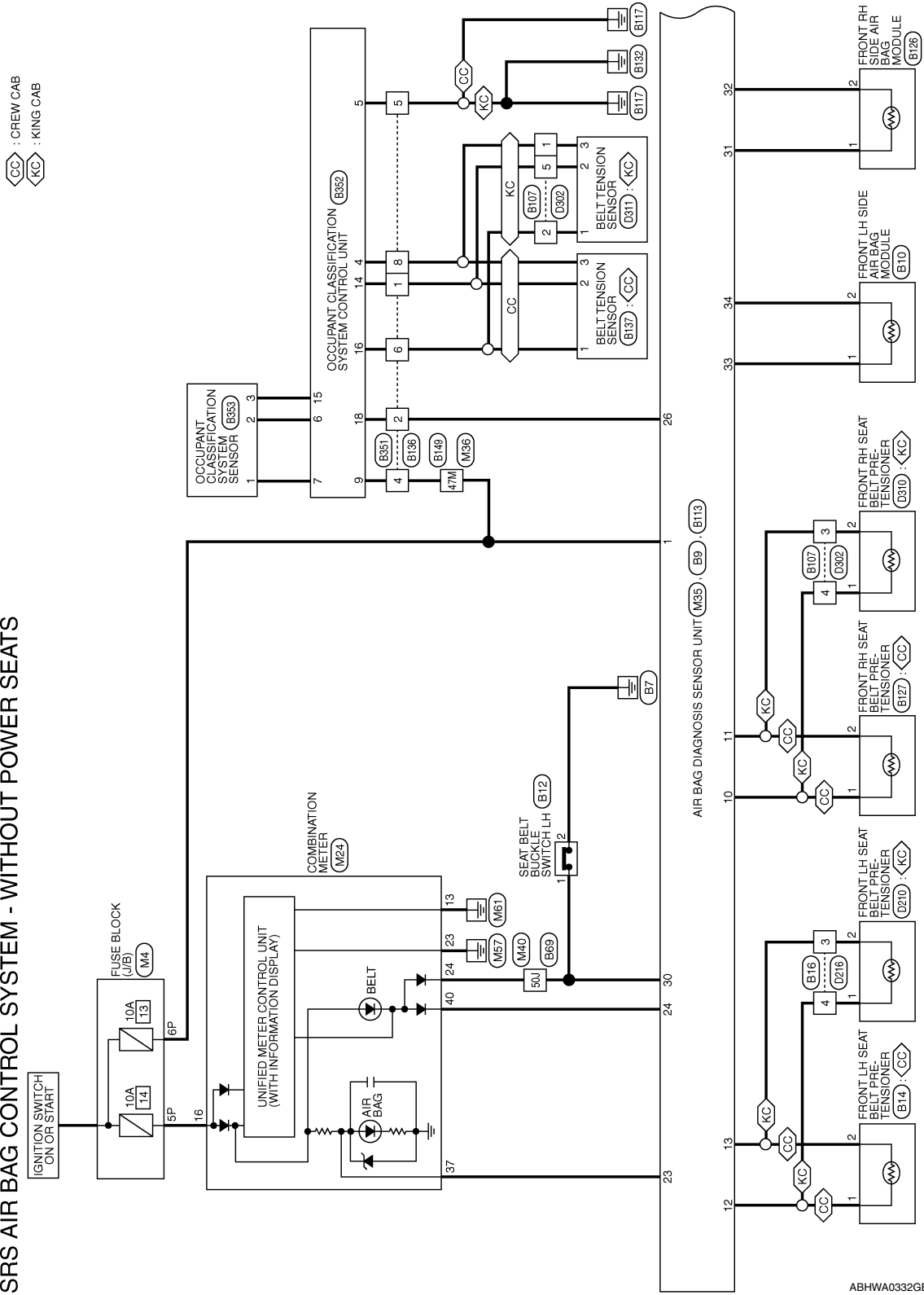
SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Wiring Diagram - Without Power Seats

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SRS AIR BAG CONTROL SYSTEM - WITHOUT POWER SEATS

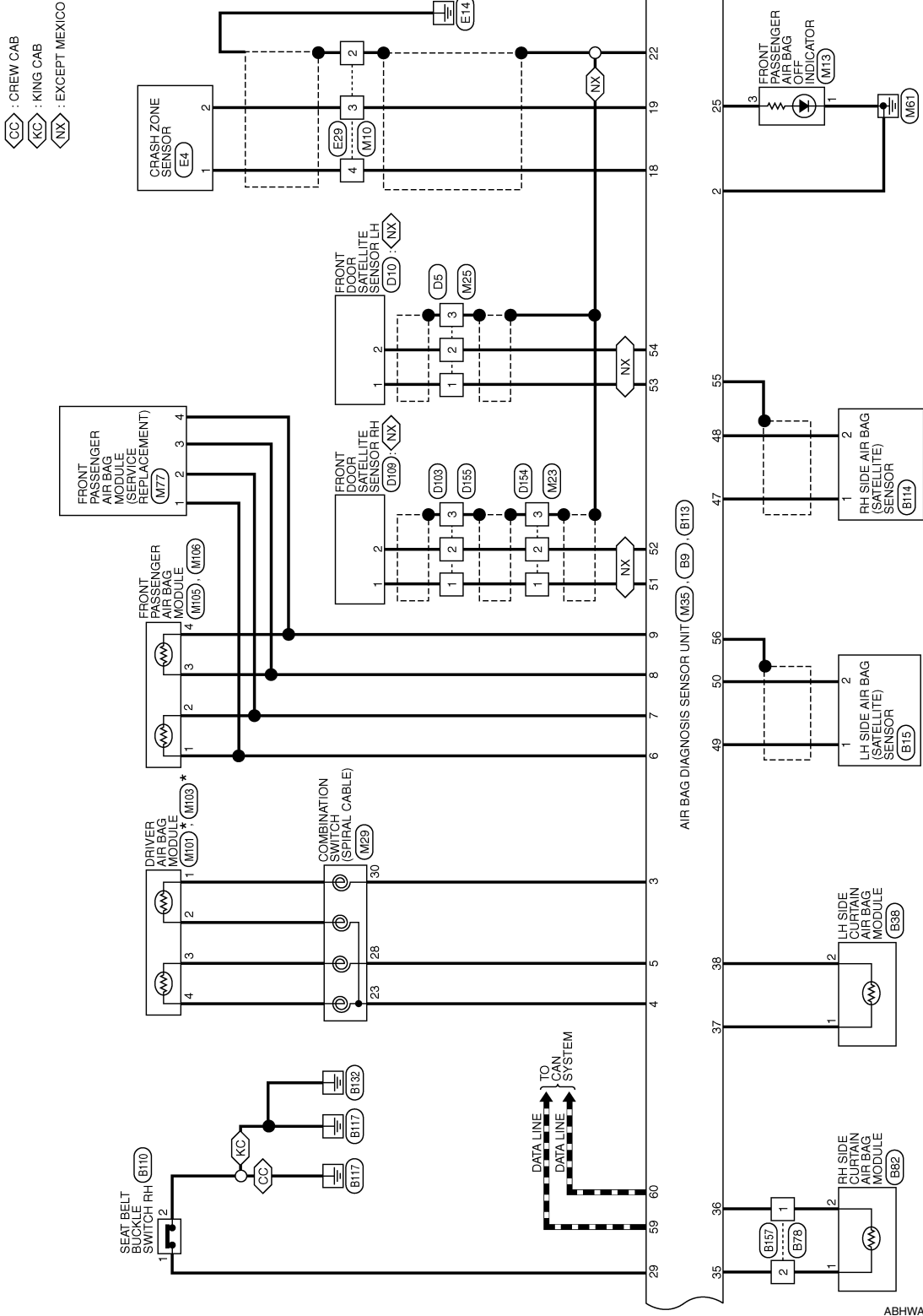


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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >



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

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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

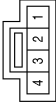
SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITHOUT POWER SEATS

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



Terminal No.	Color of Wire	Signal Name
5P	W/G	-
6P	W/R	-

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



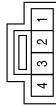
Terminal No.	Color of Wire	Signal Name
2	SHIELD	-
3	B	-
4	W	-

Connector No.	M13
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Color	BROWN



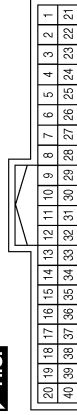
Terminal No.	Color of Wire	Signal Name
1	B	-
3	BG	-

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



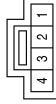
Terminal No.	Color of Wire	Signal Name
1	LG	-
2	V	-
3	SHIELD	-

Connector No.	M24
Connector Name	COMBINATION METER
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
13	GR	GROUND
16	W/G	RUN START
23	B	POWER GND
24	V	BUCKLE (SEATBELT) SW
37	SB	AIRBAG CONT
40	LG	PASS SEATBELT

Connector No.	M25
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

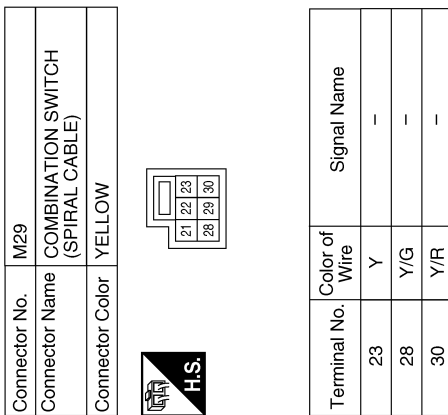
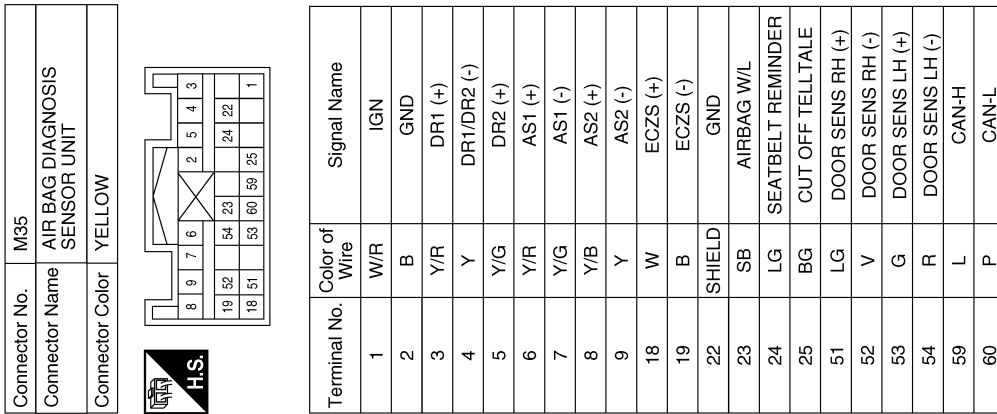
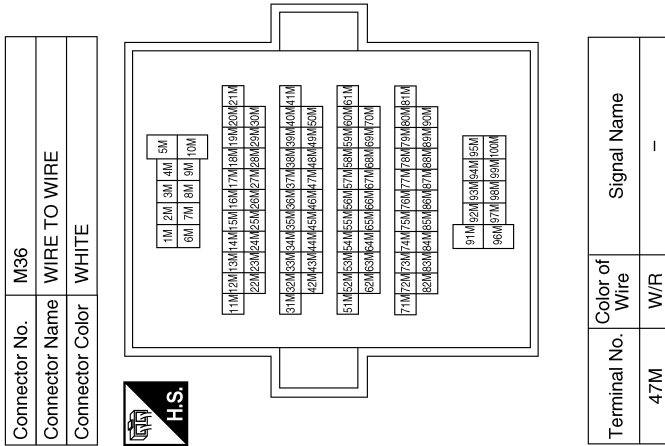
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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >



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SRS AIR BAG CONTROL SYSTEM

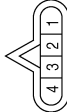
< WIRING DIAGRAM >

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



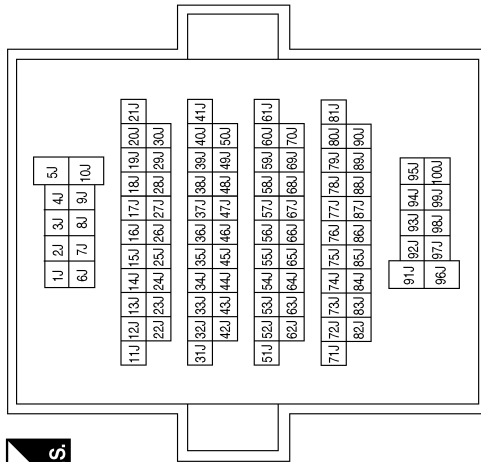
Terminal No.	Color of Wire	Signal Name
1	Y	-
2	L	-

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



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

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



Terminal No.	Color of Wire	Signal Name
50J	V	-

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



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

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



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

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



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

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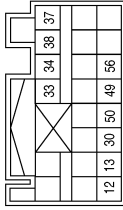
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SRS AIR BAG CONTROL SYSTEM

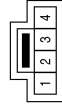
< WIRING DIAGRAM >

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



Terminal No.	Color of Wire	Signal Name
12	Y	P-LH1 (+)
13	Y/B	P-LH1 (-)
30	BG	LH BUCKLE SW INPUT
33	Y	S-LH1 (+)
34	Y/B	S-LH1 (-)
37	Y	C-LH1 (+)
38	Y/G	C-LH1 (-)
49	BR	SATELLITE LH (+)
50	Y	SATELLITE LH (-)
56	SHIELD	GND

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



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

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



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

Connector No.	B14
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER (CREW CAB)
Connector Color	YELLOW



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

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



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

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SRS AIR BAG CONTROL SYSTEM

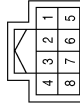
< WIRING DIAGRAM >

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



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

Connector No.	B16
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

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



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

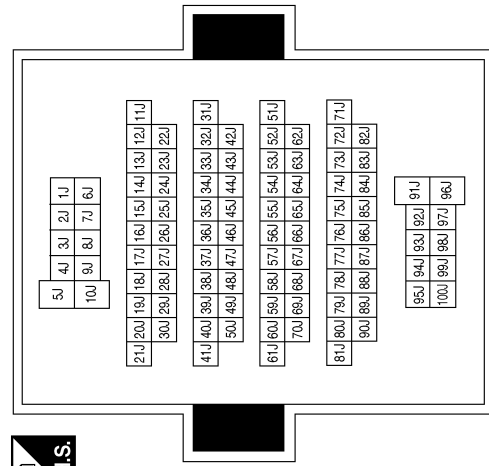
Connector No.	B78
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

Terminal No.	50J	Color of Wire	V	Signal Name	-
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Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Color	WHITE



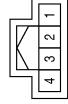
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SRS AIR BAG CONTROL SYSTEM

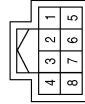
< WIRING DIAGRAM >

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



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

Connector No.	B107
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L	-
2	LG	-
3	Y/G	-
4	Y	-
5	G	-

Connector No.	B82
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Color	YELLOW



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

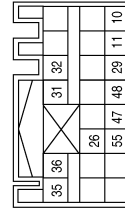
Connector No.	B114
Connector Name	RH SIDE AIR BAG (SATELLITE) SENSOR
Connector Color	YELLOW



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

Terminal No.	Color of Wire	Signal Name
26	Y/B	ODS INPUT
29	L	RH BUCKLE SW INPUT
31	Y/B	S-RH1 (+)
32	Y	S-RH1 (-)
35	Y	C-RH1 (+)
36	Y/B	C-RH1 (-)
47	W	SATELLITE RH (+)
48	B	SATELLITE RH (-)
55	SHIELD	GND

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



Terminal No.	Color of Wire	Signal Name
10	Y	P-RH1 (+)
11	Y/G	P-RH1 (-)

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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

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



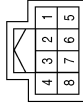
Terminal No.	Color of Wire	Signal Name
1	Y/B	-
2	Y	-

Connector No.	B127
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER (CREW CAB)
Connector Color	YELLOW



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

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



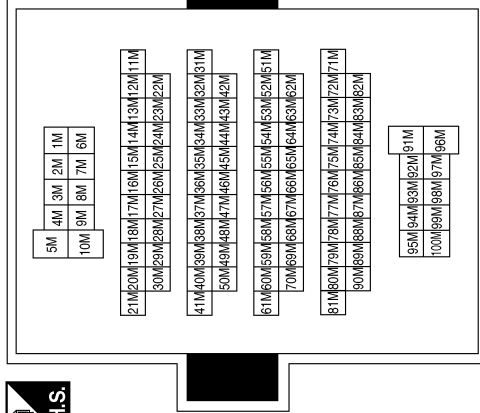
Terminal No.	Color of Wire	Signal Name
1	G	-
2	Y/B	-
4	W/R	-
5	B	-
6	LG	-
8	L	-

Connector No.	B137
Connector Name	BELT TENSION SENSOR (CREW CAB)
Connector Color	WHITE



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

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



Terminal No.	Color of Wire	Signal Name
47M	W/R	-

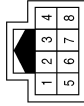
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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Connector No.	B351
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

Connector No.	B157
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



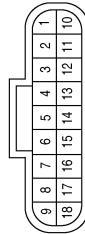
Terminal No.	Color of Wire	Signal Name
1	Y/B	-
2	Y	-

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



Terminal No.	Color of Wire	Signal Name
9	W/R	IGN
10	-	-
11	-	-
12	-	-
13	-	-
14	G	BTS GND
15	O	PS GND
16	LG	BTS 5V
17	-	-
18	Y/B	COMMUNICATION

Connector No.	B352
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	-	-
2	-	-
3	-	-
4	L	BTS SIGNAL
5	B	GND
6	Y	PS SIGNAL
7	SB	PS 5V
8	-	-

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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
1	W/L	-
2	O/L	-
3	SHIELD	-

Connector No.	D10
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Color	YELLOW



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

Connector No.	D5
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

Connector No.	D155
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

Connector No.	D154
Connector Name	WIRE TO WIRE
Connector Color	YELLOW



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

Connector No.	D109
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Color	YELLOW



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

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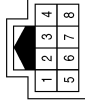
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SRS AIR BAG CONTROL SYSTEM

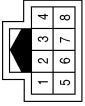
< WIRING DIAGRAM >

Connector No.	D302
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L	-
2	LG	-
3	Y/G	-
4	Y	-
5	G	-

Connector No.	D216
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

Connector No.	D210
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER (KING CAB)
Connector Color	YELLOW



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

Connector No.	D311
Connector Name	BELT TENSION SENSOR (KING CAB)
Connector Color	BLACK



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

Connector No.	D310
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER (KING CAB)
Connector Color	YELLOW



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

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SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

SRS AIR BAG SYSTEM

"AIR BAG" Warning Lamp Does Not Turn Off

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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-22. "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-22. "Removal and Installation"](#).

"AIR BAG" Warning Lamp Does Not Turn On

INFOID:0000000012565271

DIAGNOSTIC PROCEDURE

1.CHECK METER FUSE

Check the 10A fuse [No. 14, located in the fuse block (J/B)].

Is the fuse blown?

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

2.REPLACE METER FUSE AND CHECK AGAIN

Replace 10A fuse [No. 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-

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SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

COMBINATION METER

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

Do the harness or connectors have any visible damage?

YES >> Replace harness.

NO >> GO TO 4.

4. CHECK COMBINATION METER

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

Does "AIR BAG" warning lamp turn on?

YES >> Replace the air bag diagnosis sensor unit. Refer to [SR-22, "Removal and Installation"](#).

NO >> Replace the combination meter. Refer to [MWI-91, "Removal and Installation"](#).

PASSENGER SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

PASSENGER SEAT BELT WARNING SYSTEM

Seat Belt Warning System Does Not Function

INFOID:000000012565272

1. SEAT BELT WARNING LIGHT

Turn ignition switch ON.

Does the seat belt warning lamp come ON?

YES >> GO TO 2.

- NO >>
- Check 10A fuse [No. 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-40, "Fail Safe"](#).

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-10, "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-22, "Removal and Installation"](#).

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PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000012565273

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

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- 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

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