SECTION SRC
SRS AIRBAG CONTROL SYSTEM

CONTENTS

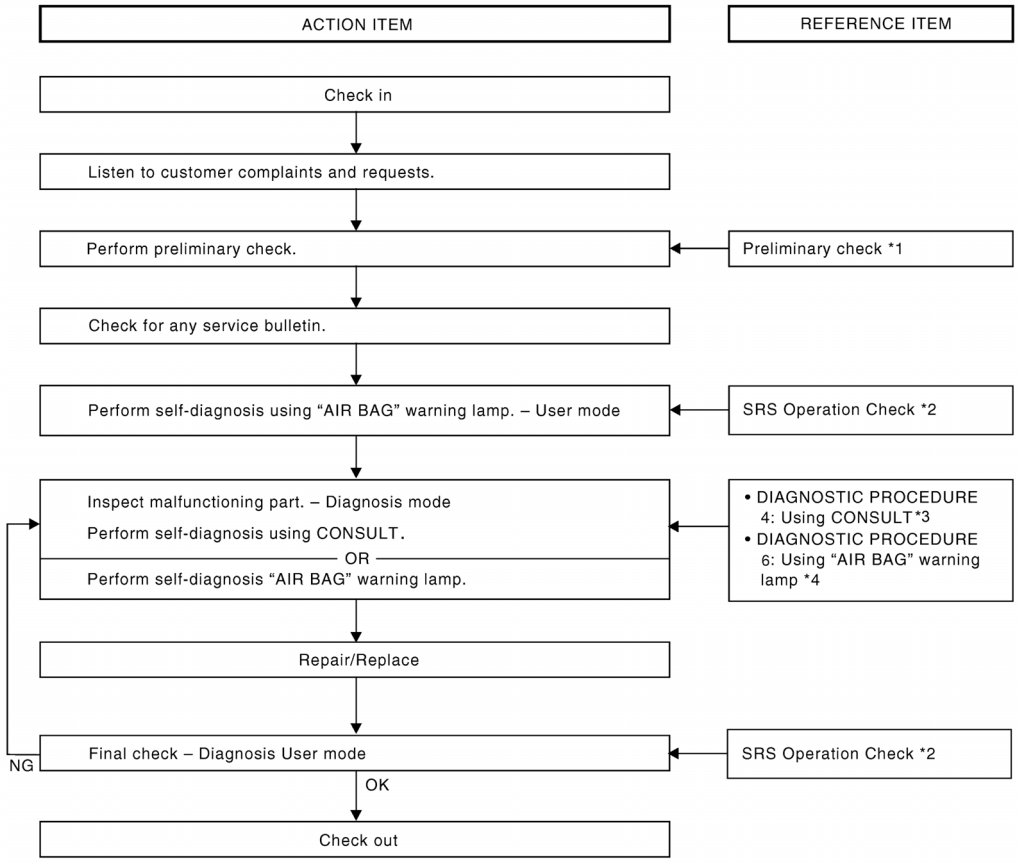
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000007254624

OVERALL SEQUENCE



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*1 SRC-12, "Trouble Diagnosis Introduction"
*2 SRC-12, "SRS Operation Check"
*3 SRC-5, "Trouble Diagnosis with CONSULT"
*4 SRC-14, "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-12, "Trouble Diagnosis Introduction".

>> GO TO 3

3. TECHNICAL SERVICE BULLETINS

Check for technical service bulletins.

>> GO TO 4

4. USER MODE

Perform self-diagnosis using the "AIR BAG" warning lamp in User mode. Refer to SRC-12, "SRS Operation Check".

>> GO TO 5

5. SELF-DIAGNOSIS

Perform SELF-DIAGNOSIS. Refer to SRC-5, "Trouble Diagnosis with CONSULT" (w/CONSULT) or SRC-14, "Self-Diagnosis Function (Without CONSULT)" (w/o CONSULT).

>> 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 5

INTERMITTENT INCIDENT

Inspection Procedure

INFOID:0000000007254625

INTERMITTENT TROUBLE

An intermittent incident may have occured 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:0000000007254626

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. Proceed to "DIAGNOSTIC PROCEDURE 3". Refer to SRC-14, "Self-Diagnosis Function (Without CONSULT)".

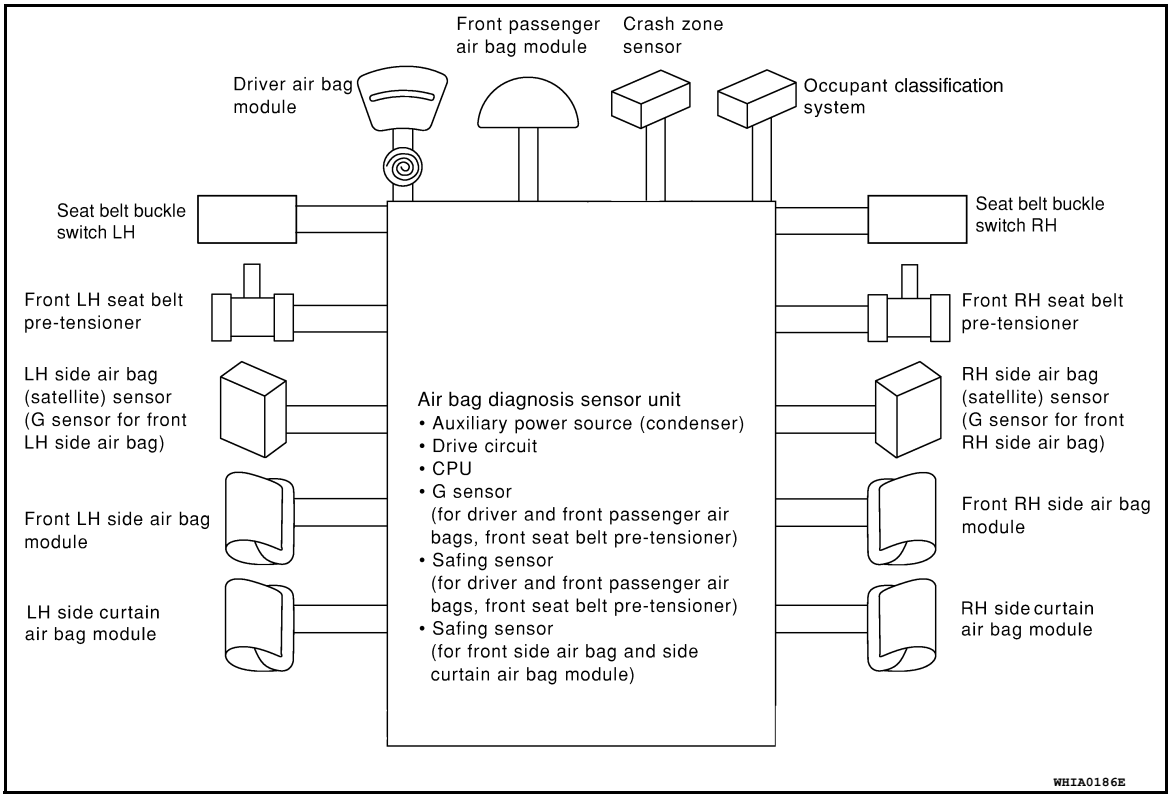
No >> Proceed to "DIAGNOSTIC PROCEDURE 2". Refer to SRC-12, "SRS Operation Check".

SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

SRS Configuration

INFOID:0000000007254627

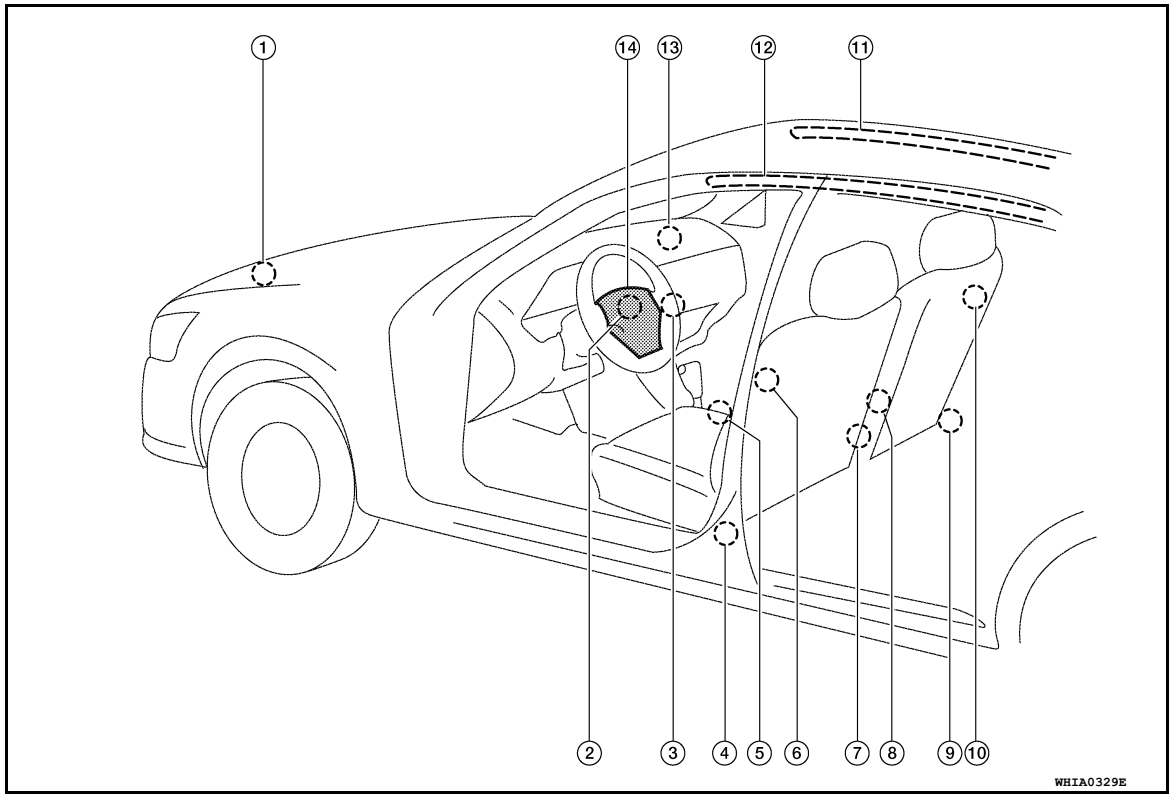


The air bag deploys if the air bag diagnosis sensor unit is activated while the ignition switch is in the ON or START position.
The collision modes for which supplemental restraint systems are activated are different among the SRS systems. For example, the driver air bag module, front passenger air bag 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
Driver air bag module	×	—	—
Front passenger air bag module	×	—	—
Front LH seat belt pre-tensioner	×	—	—
Front RH seat belt pre-tensioner	×	—	—
Front LH side air bag module	—	×	—
Front RH side air bag module	—	—	×
LH side curtain air bag module	—	×	—
RH side curtain air bag module	—	—	×

SRS Component Parts Location

INFOID:0000000007254628

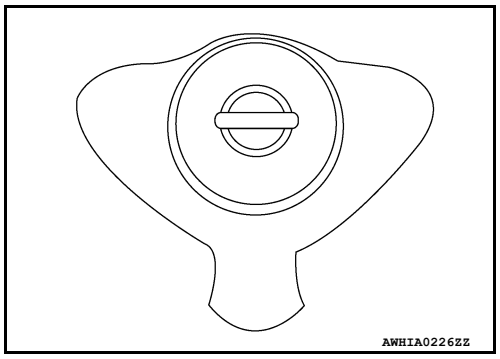


1. Crash zone sensor
2. Spiral cable
3. Front passenger air bag off indicator
4. Front LH seatbelt pre-tensioner LH side air bag (satellite) sensor
5. Air bag diagnosis sensor unit
6. Front LH side air bag module
7. Seat belt buckle switch (LH) Seat belt buckle switch (RH)
8. Occupant classification system control unit and sensor mat
9. Front RH seatbelt pre-tensioner RH side air bag (satellite) sensor
10. Front RH side air bag module
11. RH side curtain air bag module
12. LH side curtain air bag module
13. Front passenger air bag module
14. Driver air bag module

Driver Air Bag Module

INFOID:0000000007254629

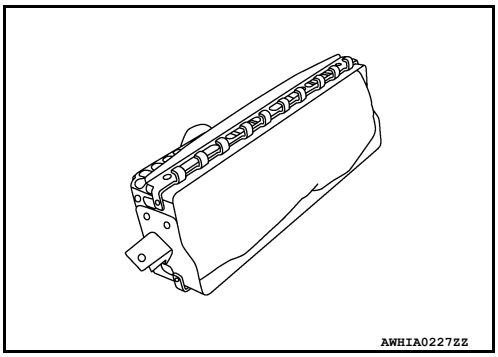
The driver air bag module is dual stage and located in the steering wheel assembly. It operates with the SRS system in a frontal collision exceeding a specified level.



Front Passenger Air Bag Module

INFOID:0000000007254630

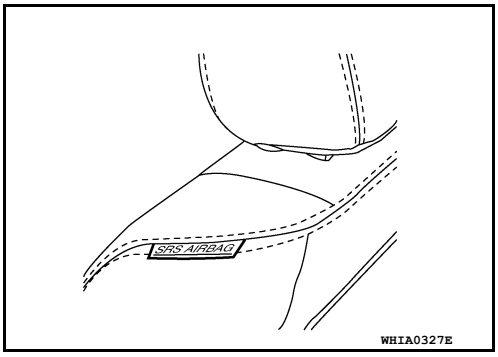
The front passenger air bag module is located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to SRC-10, "Occupant Classification System (OCS)" for more information.



Front Side Air Bag

INFOID:0000000007254631

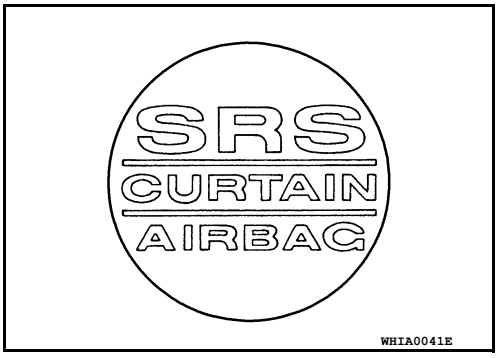
Front side air bag modules are built into the front seatback assemblies. Vehicles with side air bags are equipped with labels as shown.



Side Curtain Air Bag

INFOID:0000000007254632

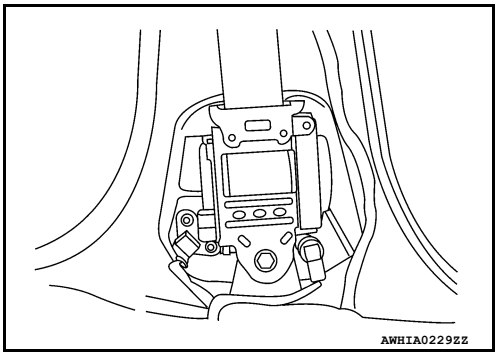
Side curtain air bag modules are located above the vehicle headlining. Vehicles with side curtain air bags are equipped with labels as shown.



Front Seat Belt Pre-tensioner

INFOID:0000000007254633

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 Component Connectors

INFOID:0000000007803813

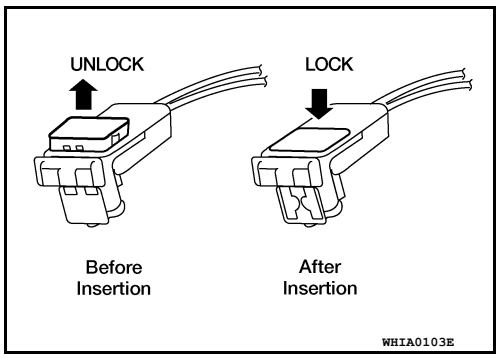
DIRECT CONNECT

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

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

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

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

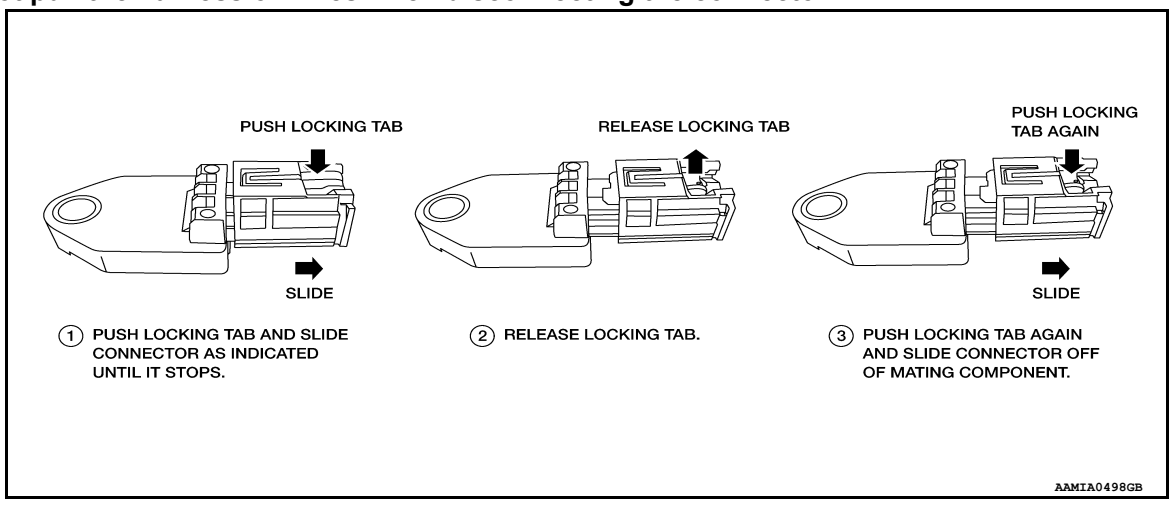


SLIDE DOUBLE LOCKING

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

CAUTION:

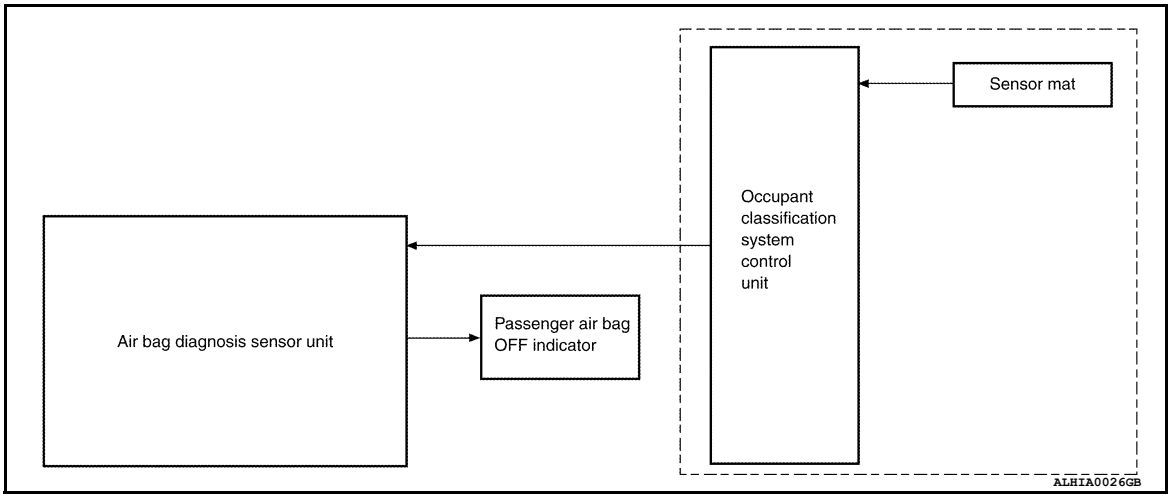
- **Do not pull the harness or wires when disconnecting the connector.**



OCCUPANT CLASSIFICATION SYSTEM

System Diagram

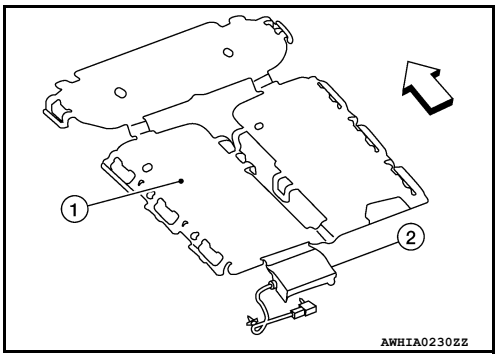
INFOID:0000000007254635



Occupant Classification System (OCS)

INFOID:0000000007254636

The occupant classification system (OCS) identifies if a child or child seat is present in the front passenger seat. The OCS receives inputs from the occupant classification sensor mat (1) which is located inside the passenger seat cushion assembly. Depending on classification of the passenger, the OCS control unit (2) 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 front passenger air bag module in the event of a collision. Depending on the signals received, the air bag diagnosis sensor unit can disable the front passenger air bag module completely.



NOTE:

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

Front Passenger Air Bag Status Conditions

Front Passenger Seat (Condition)	PASS AIR BAG OFF Indicator (Status)	Front 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

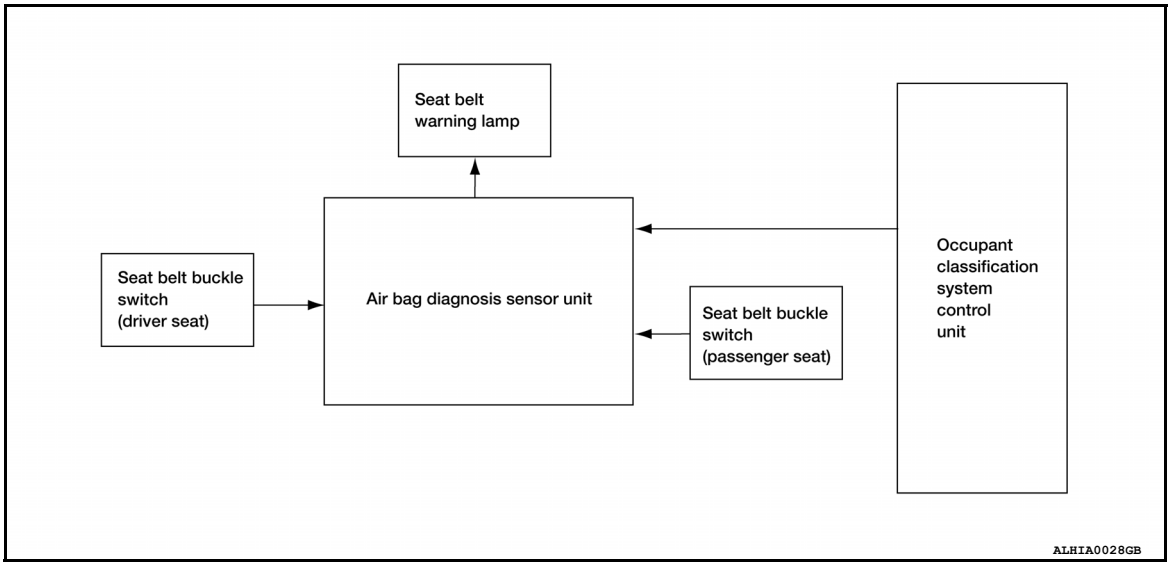
NOTE:

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

PASSENGER SEAT BELT WARNING SYSTEM

System Diagram

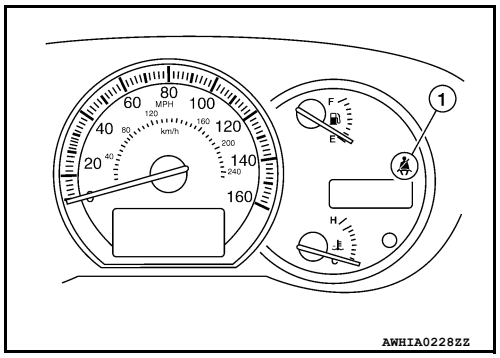
INFOID:0000000007254637



System Description

INFOID:0000000007254638

The seat belt warning lamp (1) will remind the driver if the driver or front passenger seat belt should be buckled. The system works in conjunction with the occupant classification system. Refer to SRC-10, "Occupant Classification System (OCS)".



Passenger Seat Belt Warning System Operation

Driver seat status (Ignition switch ON)	Passenger seat status	Seat belt buckle switch LH status	Seat belt buckle switch RH status	Seat belt warning lamp
Seat occupied	Seat occupied	Buckled	Buckled	Off
			Unbuckled	On
	Seat unoccupied		—	Off
	—	Unbuckled		On

Component Parts Location

INFOID:0000000007254639

Refer to SRC-7, "SRS Component Parts Location".

ON BOARD DIAGNOSTIC (OBD) SYSTEM

Trouble Diagnosis Introduction

INFOID:0000000007254640

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
- Fuse
- System component-to-harness connections

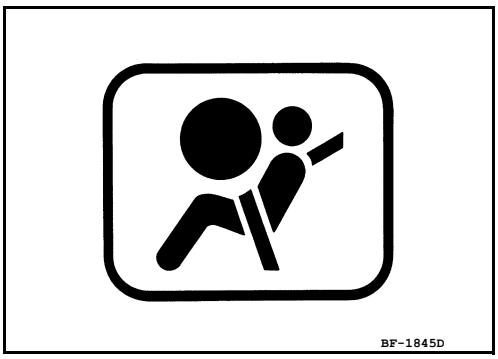
SRS Operation Check

INFOID:0000000007254641

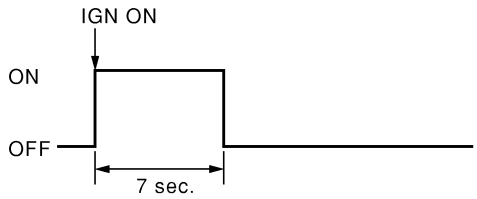
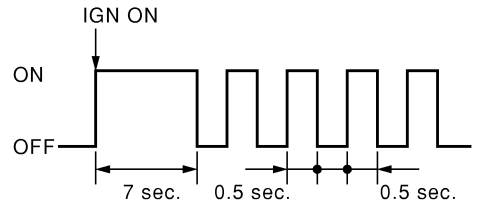
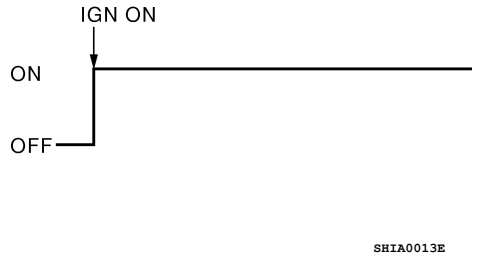
DIAGNOSTIC PROCEDURE 1

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.



SRS Air bag warning lamp examples

"AIR BAG" warning lamp (User mode)	SRS condition	Reference item
	• No malfunction is detected. • No further action is necessary.	—
	The system is malfunctioning and needs to be repaired as indicated.	Proceed to DIAGNOSTIC PROCEDURE 2 that follows (with CONSULT) or SRC-14, "Trouble Diagnosis without CONSULT" (without CONSULT).
	• Air bag is deployed. • Seat belt pre-tensioner is deployed.	Proceed to COLLISION DIAGNOSIS SR-26, "For Frontal Collision" or SR-28, "For Side and Rollover Collision".
	• Air bag diagnosis sensor unit is malfunctioning. • Air bag power supply circuit is malfunctioning. • SRS air bag warning lamp circuit is malfunctioning.	Refer to SRC-74, ""AIR BAG" Warning Lamp Does Not Turn Off".
	• Air bag diagnosis sensor unit is malfunctioning. • Air bag warning lamp circuit is malfunctioning.	Refer to SRC-74, ""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-14, "Self-Diagnosis Function (Without CONSULT)".

Trouble Diagnosis without CONSULT

INFOID:0000000007254642

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-60, "Trouble Diagnosis without CONSULT".

CONSULT Function (AIR BAG)

INFOID:0000000007254643

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

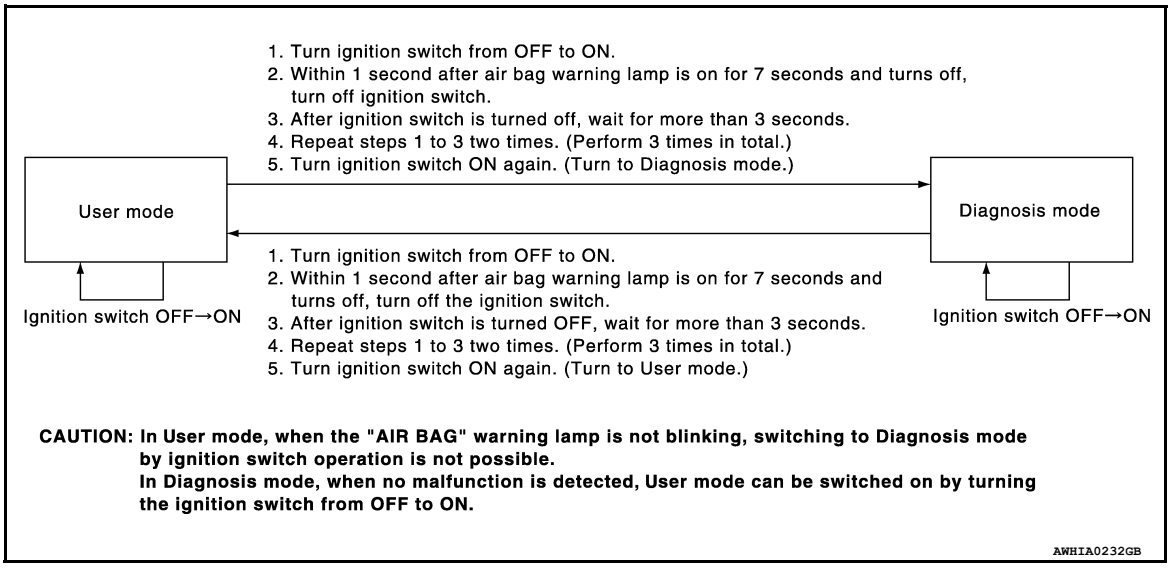
AIR BAG diagnostic mode	Description
SELF-DIAG [CURRENT]	A current Self-diagnosis result (also indicated by the number of warning lamp flashes in the Diagnosis mode) is displayed on the CONSULT screen in real time. This refers to a malfunctioning part requiring repairs.
SELF-DIAG [PAST]	Diagnosis results 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 unit and air bag diagnosis sensor unit. Refer to SRC-10, "Occupant Classification System (OCS)" for more information.

Self-Diagnosis Function (Without CONSULT)

INFOID:0000000007254644

- 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.

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-12, "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-12, "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-14, "Self-Diagnosis Function (Without CONSULT)".

No >> Perform DIAGNOSTIC PROCEDURE 2. Refer to SRC-12, "SRS Operation Check".

DTC/CIRCUIT DIAGNOSIS

B1049 – B1052, B1054 – B1057 DRIVER AIRBAG MODULE

Description

INFOID:0000000007254645

DTC B1049 – B1052, B1054 – B1057 DRIVER AIRBAG MODULE

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

INFOID:0000000007254646

DTC DETECTION LOGIC

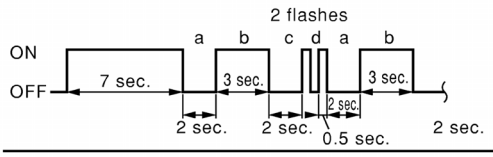
With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
DRIVER AIRBAG MODULE [OPEN]	B1049	Driver air bag module circuit (DR1) is open (including the spiral cable).	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Inspect spiral cable circuit. 4. Replace the air bag diagnosis sensor unit. 5. Replace the driver air bag module. 6. Replace the related harness.
	B1054	Driver air bag module circuit (DR2) is open (including the spiral cable).	
DRIVER AIRBAG MODULE [VB-SHORT]	B1050	Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).	
	B1055	Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE [GND-SHORT]	B1051	Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).	
	B1056	Driver air bag module circuit (DR2) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE [SHORT]	B1052	Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).	
	B1057	Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).	

Without CONSULT

<Driver air bag module>

Flash pattern	Repair order
a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuits.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Inspect spiral cable circuit. 4. Replace the air bag diagnosis sensor unit. 5. Replace driver air bag module. 6. Replace the related harness.



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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to SRC-17, "Diagnosis Procedure (Component Diagnosis)".
NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in User mode.

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254647

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.CHECK SPIRAL CABLE CIRCUIT

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

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	
M105	1	M29	28	YES
	2		30	
M106	3		29	
	4		30	

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

Driver air bag module		Ground	Continuity
Connector	Terminal		
M105	1	Ground	NO
	2		
M106	3		
	4		

Is the inspection result normal?

YES >> GO TO 4
NO >> Replace combination switch (spiral cable). Refer to SR-7, "Removal and Installation".

4.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

5.DRIVER AIR BAG MODULE

Replace the driver air bag module. Refer to SR-4, "Removal and Installation".

>> GO TO 6

6.RELATED HARNESS

Replace the related harness.

>> **END**

B1065 – B1068, B1070 – B1073 PASSENGER AIRBAG MODULE

Description

INFOID:0000000007254648

DTC B1065 – B1068, B1070 – B1073 PASSENGER AIR BAG MODULE

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

INFOID:0000000007254649

DTC DETECTION LOGIC

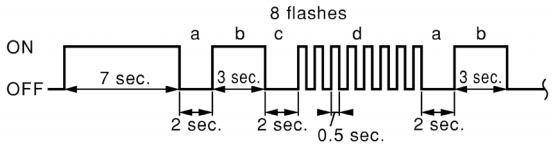
With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
ASSIST A/B MODULE [OPEN]	B1065	Front passenger air bag module circuit (AS1) is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the front passenger air bag module. 5. Replace the related harness.
	B1070	Front passenger air bag module circuit (AS2) is open.	
ASSIST A/B MODULE [VB-SHORT]	B1066	Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.	
	B1071	Front passenger air bag module circuit (AS2) is shorted to a power supply circuit.	
ASSIST A/B MODULE [GND-SHORT]	B1067	Front passenger air bag module circuit (AS1) is shorted to ground.	
	B1072	Front passenger air bag module circuit (AS2) is shorted to ground.	
ASSIST A/B MODULE [SHORT]	B1068	Front passenger air bag module circuits (AS1) are shorted to each other.	
	B1073	Front passenger air bag module circuits (AS2) are shorted to each other.	

Without CONSULT

<Front passenger air bag module>

Flash pattern	Repair order
a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace front passenger air bag module. 5. Replace the related harness.



AWHIA0312GB

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to SRC-20, "Diagnosis Procedure (Component Diagnosis)".
NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in User mode.

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254650

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 4

4.FRONT PASSENGER AIR BAG MODULE

Replace the front passenger air bag module. Refer to SR-9, "Removal and Installation".

>> GO TO 5

5.RELATED HARNESS

Replace the related harness.

>> **END**

B1134 – B1137 SIDE AIRBAG MODULE LH

Description

INFOID:0000000007254651

DTC B1134 – B1137 FRONT LH SIDE AIR BAG MODULE

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

INFOID:0000000007254652

DTC DETECTION LOGIC

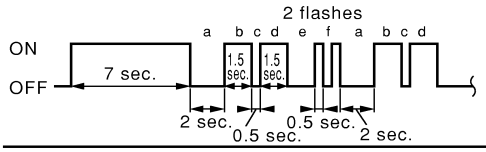
With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE MODULE LH [OPEN]	B1134	Front LH side air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the front LH side air bag module. 5. Replace the related harness.
SIDE MODULE LH [VB-SHORT]	B1135	Front LH side air bag module circuit is shorted to a power supply circuit.	
SIDE MODULE LH [GND-SHORT]	B1136	Front LH side air bag module circuit is shorted to ground.	
SIDE MODULE LH [SHORT]	B1137	Front LH side air bag module circuits are shorted to each other.	

Without CONSULT

<Front LH side air bag module>

Flash pattern	Repair order
a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the front LH side air bag module. 5. Replace the related harness.



AWHIA0304GB

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in User mode.

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254653

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 4

4.FRONT LH SIDE AIR BAG MODULE

Replace the front LH side air bag module. Refer to SR-13, "Removal and Installation".

>> GO TO 5

5.RELATED HARNESS

Replace the related harness.

>> **END**

B1129 – B1132 SIDE AIRBAG MODULE RH

Description

INFOID:0000000007254654

DTC B1129 – B1132 FRONT RH SIDE AIR BAG MODULE

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

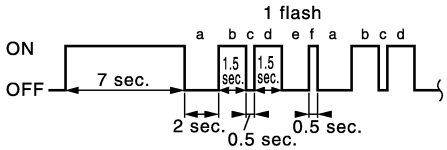
INFOID:0000000007254655

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE MODULE RH [OPEN]	B1129	Front RH side air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the front RH side air bag module. 5. Replace the related harness.
SIDE MODULE RH [VB-SHORT]	B1130	Front RH side air bag module circuit is shorted to a power supply circuit.	
SIDE MODULE RH [GND-SHORT]	B1131	Front RH side air bag module circuit is shorted to ground.	
SIDE MODULE RH [SHORT]	B1132	Front RH side air bag module circuits are shorted to each other.	

Without CONSULT

<Front RH side air bag module>	
Flash pattern	Repair order
a through f are repeated. f: One flash indicate malfunctioning front RH side air bag module circuit. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the front RH side air bag module. 5. Replace the related harness.

AWHIA0305GB

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

NOTE:
SRS will not enter diagnosis mode if no malfunction is detected in User mode.

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254656

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 4

4.FRONT RH SIDE AIR BAG MODULE

Replace the front RH side air bag module. Refer to SR-13, "Removal and Installation".

>> GO TO 5

5.RELATED HARNESS

Replace the related harness.

>> **END**

B1150 – B1153 SIDE CURTAIN AIR BAG MODULE LH

Description

INFOID:0000000007254657

DTC B1150 – B1153 LH SIDE CURTAIN AIR BAG MODULE

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

INFOID:0000000007254658

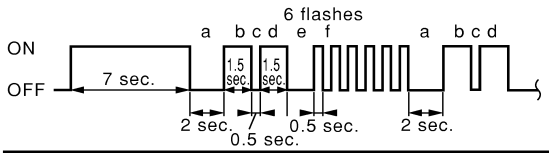
DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CURTAIN MODULE LH [OPEN]	B1150	LH side curtain air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the LH side curtain air bag module. 5. Replace the related harness.
CURTAIN MODULE LH [VB-SHORT]	B1151	LH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN MODULE LH [GND-SHORT]	B1152	LH side curtain air bag module circuit is shorted to ground.	
CURTAIN MODULE LH [SHORT]	B1153	LH side curtain air bag module circuits are shorted to each other.	

Without CONSULT

<LH side curtain air bag module>

Flash pattern	Repair order
a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace LH side curtain air bag module. 5. Replace the related harness.

AWHIA0309GB

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254659

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 4

4.LH SIDE CURTAIN AIR BAG MODULE

Replace the LH side curtain air bag module. Refer to SR-11, "Removal and Installation".

>> GO TO 5

5.RELATED HARNESS

Replace the related harness.

>> **END**

B1145 – B1148 SIDE CURTAIN AIR BAG MODULE RH

Description

INFOID:0000000007254660

DTC B1145 – B1148 RH SIDE CURTAIN AIR BAG MODULE

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

INFOID:0000000007254661

DTC DETECTION LOGIC

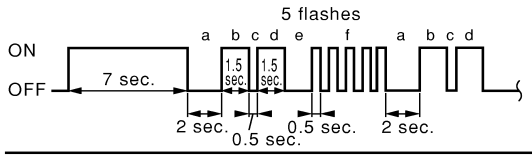
With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CURTAIN MODULE RH [OPEN]	B1145	RH side curtain air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the RH side curtain air bag module. 5. Replace the related harness.
CURTAIN MODULE RH [VB-SHORT]	B1146	RH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN MODULE RH [GND-SHORT]	B1147	RH side curtain air bag module circuit is shorted to ground.	
CURTAIN MODULE RH [SHORT]	B1148	RH side curtain air bag module circuits are shorted to each other.	

Without CONSULT

<RH side curtain air bag module>

Flash pattern	Repair order
a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace RH side curtain air bag module. 5. Replace the related harness.



AWHIA0308GB

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254662

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 4

4.RH SIDE CURTAIN AIR BAG MODULE

Replace the RH side curtain air bag module. Refer to SR-11, "Removal and Installation".

>> GO TO 5

5.RELATED HARNESS

Replace the related harness.

>> **END**

B1086 – B1089 SEAT BELT PRE-TENSIONER LH

Description

INFOID:0000000007254663

DTC B1086 – B1089 SEAT BELT PRE-TENSIONER LH

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

INFOID:0000000007254664

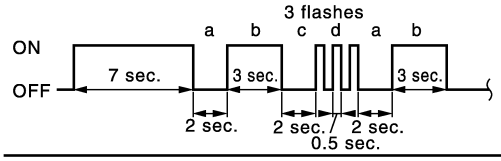
DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PRE-TEN FRONT LH [OPEN]	B1086	LH seat belt pre-tensioner circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front LH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
PRE-TEN FRONT LH [VB-SHORT]	B1087	LH seat belt pre-tensioner circuit is shorted to a power supply circuit.	
PRE-TEN FRONT LH [GND-SHORT]	B1088	LH seat belt pre-tensioner circuit is shorted to ground.	
PRE-TEN FRONT LH [SHORT]	B1089	LH seat belt pre-tensioner circuits are shorted to each other.	

Without CONSULT

<Front LH seat belt pre-tensioner>

Flash pattern	Repair order
a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit. 	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace front LH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

WHIA0263E

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254665

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.FRONT LH SEAT BELT PRE-TENSIONER

Replace the front LH seat belt pre-tensioner. Refer to SB-6, "Removal and Installation".

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

5.RELATED HARNESS

Replace the related harness.

>> **END**

B1081 – B1084 SEAT BELT PRE-TENSIONER RH

Description

INFOID:0000000007254666

DTC B1081 – B1084 SEAT BELT PRE-TENSIONER RH

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

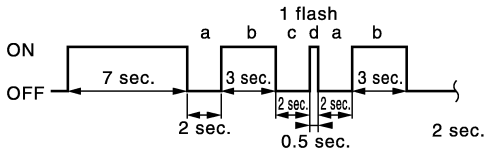
INFOID:0000000007254667

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PRE-TEN FRONT RH [OPEN]	B1081	RH seat belt pre-tensioner circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front RH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
PRE-TEN FRONT RH [VB-SHORT]	B1082	RH seat belt pre-tensioner circuit is shorted to a power supply circuit.	
PRE-TEN FRONT RH [GND-SHORT]	B1083	RH seat belt pre-tensioner circuit is shorted to ground.	
PRE-TEN FRONT RH [SHORT]	B1084	RH seat belt pre-tensioner circuits are shorted to each other.	

Without CONSULT

<Front RH seat belt pre-tensioner>	
Flash pattern	Repair order
a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit. 	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace front RH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness. WHIA0262E

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254668

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.FRONT RH SEAT BELT PRE-TENSIONER

Replace the front RH seat belt pre-tensioner. Refer to SB-6, "Removal and Installation".

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

5.RELATED HARNESS

Replace the related harness.

>> **END**

B1033 – B1035 CRASH ZONE SENSOR

Description

INFOID:0000000007254669

DTC B1033 – B1035 CRASH ZONE SENSOR

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

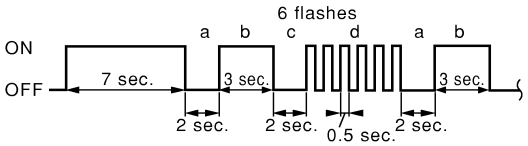
INFOID:0000000007254670

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CRASH ZONE SEN [UNIT FAIL]	B1033	Crash zone sensor has malfunctioned.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the crash zone sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
	B1034		
CRASH ZONE SEN [COMM FAIL]	B1035	Crash zone sensor communication error.	

Without CONSULT

<Crash zone sensor>	
Flash pattern	Repair order
a through d are repeated. d: Six flashes indicate malfunctioning crash zone sensor circuit. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the crash zone sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

WHIA0200E

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254671

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.CRASH ZONE SENSOR

Replace the crash zone sensor. Refer to SR-19, "Removal and Installation".

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

5.RELATED HARNESS

Replace the related harness.

>> **END**

B1118 – B1120 SATELLITE SENSOR LH

Description

INFOID:0000000007254672

DTC B1118 – B1120 SATELLITE SENSOR LH

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

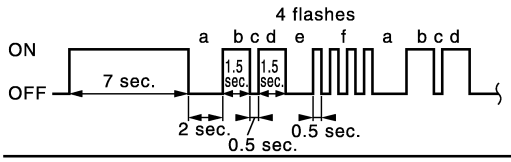
INFOID:0000000007254673

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SATELLITE SENS LH [UNIT FAIL]	B1118	LH side air bag satellite sensor has malfunctioned.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag satellite sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
	B1119		
SATELLITE SENS LH [COMM FAIL]	B1120	LH side air bag satellite sensor communication error.	

Without CONSULT

<LH side air bag (Satellite) sensor>	
Flash pattern	Repair order
a through f are repeated. f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag (Satellite) sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

WHIA0204E

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254674

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.LH SIDE AIR BAG SATELLITE SENSOR

Replace the LH side air bag satellite sensor. Refer to SR-21, "Removal and Installation".

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

5.RELATED HARNESS

Replace the related harness.

>> **END**

B1113 – B1115 SATELLITE SENSOR RH

Description

INFOID:0000000007254675

DTC B1113 – B1115 SATELLITE SENSOR RH

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

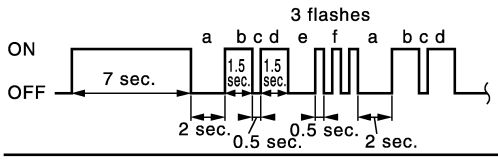
INFOID:0000000007254676

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SATELLITE SENS RH [UNIT FAIL]	B1113	RH side air bag satellite sensor has malfunctioned.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag satellite sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
	B1114		
SATELLITE SENS RH [COMM FAIL]	B1115	RH side air bag satellite sensor communication error.	

Without CONSULT

<RH side air bag (Satellite) sensor>	
Flash pattern	Repair order
a through f are repeated. f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag (Satellite) sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness. WHIA0203E

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to SRC-47, "Diagnosis Procedure (Component Diagnosis)".
NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254677

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.RH SIDE AIR BAG SATELLITE SENSOR

Replace the RH side air bag satellite sensor. Refer to SR-21, "Removal and Installation".

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

5.RELATED HARNESS

Replace the related harness.

>> **END**

B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

Description

INFOID:0000000007254678

DTC B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

The air bag diagnosis sensor unit will run self diagnostics when the ignition switch is turned ON. It has the potential to set many diagnostic trouble codes which will conform to the B1XXX format, but will not match any other SRS diagnostic trouble codes. Refer to SRC-58, "Trouble Diagnosis with CONSULT".

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

INFOID:0000000007254679

DTC DETECTION LOGIC

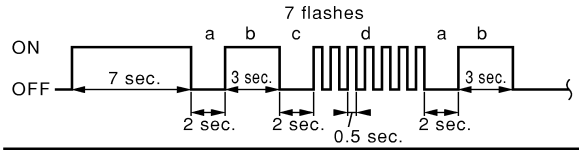
With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CONTROL UNIT	B1XXX	Air bag diagnosis sensor unit is malfunctioning.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the related harness.

Without CONSULT

<Air bag diagnosis sensor unit>

Flash pattern	Repair order
a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the related harness.



WHIA0198E

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254680

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 4

4.RELATED HARNESS

Replace the related harness.

>> **END**

B1023 PASSENGER AIR BAG OFF INDICATOR

Description

INFOID:0000000007254681

DTC B1023 FRONT PASSENGER AIR BAG OFF INDICATOR

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

INFOID:0000000007254682

DTC DETECTION LOGIC

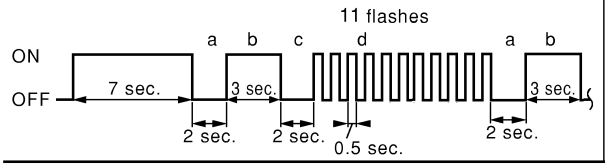
With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PASS A/B INDCTR CKT	B1023	Front passenger air bag off indicator is malfunctioning.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front passenger air bag off indicator. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

Without CONSULT

<Front passenger air bag off indicator>

Flash pattern	Repair order
a through d are repeated. d: Eleven flashes indicate malfunctioning front passenger air bag off indicator.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front passenger air bag off indicator. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.



WHIA0212E

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to SRC-52, "Diagnosis Procedure (Component Diagnosis)".
NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-60, "Trouble Diagnosis without CONSULT".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254683

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.FRONT PASSENGER AIR BAG OFF INDICATOR

Replace the front passenger air bag off indicator. Refer to IP-11, "Removal and Installation".

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> GO TO 5

5.RELATED HARNESS

Replace the related harness.

>> **END**

B1017 – B1022 OCCUPANT CLASSIFICATION SYSTEM

Description

INFOID:0000000007254684

DTC B1017 – B1022 OCCUPANT CLASSIFICATION SYSTEM (OCS)

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

INFOID:0000000007254685

DTC DETECTION LOGIC

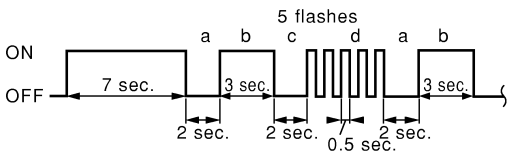
With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
OCCUPANT SENS C/U [UNIT FAIL]	B1017	The OCS control unit is malfunctioning.	1. Replace the RH front seat cushion assembly. Do not disassemble the seat cushion assembly.
	B1020		
	B1021		
OCCUPANT SENS [UNIT FAIL]	B1018	The OCS sensor mat is malfunctioning.	
OCCUPANT SENS [OTHER FAIL]	B1019	The OCS is malfunctioning.	
OCCUPANT SENS C/U [COMM FAIL]	B1022	Communication between the OCS control unit and the air bag diagnosis sensor unit is interrupted.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH front seat cushion assembly. Do not disassemble the seat cushion assembly. 4. Replace the air bag diagnosis sensor unit.

Without CONSULT

<Occupant classification system>

Flash pattern	Repair order
a through d are repeated. d: Five flashes indicate malfuntioning occupant classification system control unit.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH front seat cushion occupant classification system control unit assembly. 4. Replace the air bag diagnosis sensor unit.



WHIA0211E

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to SRC-55, "Diagnosis Procedure (Component Diagnosis)".

NO >> Inspection End.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in Diagnostic mode and AIR BAG warning lamp flashes. Refer to SRC-7, "SRS Component Parts Location".

>> **END**

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254686

Recheck SRS after each replacement.

1.DTC

Does CONSULT indicate B1022?

YES or NO

YES >> GO TO 2
NO >> GO TO 4

2.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.
NO >> GO TO 3

3.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 4

4. RH FRONT SEAT CUSHION ASSEMBLY

Replace the RH front seat cushion assembly. Refer to SE-64, "Removal and Installation" (with climate controlled seats) or SE-114, "Removal and Installation" (without climate controlled seats).

>> GO TO 5

5. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

>> **END.**

B1209 – B1210 COLLISION DETECTION

Description

INFOID:0000000007254687

DTC B1209 - B1210 COLLISION DETECTION

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

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

INFOID:0000000007254688

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FRONTAL COLLISION DETECTION	B1209	Driver and/or front passenger air bag modules are deployed.	Refer to SR-26, "For Frontal Collision".
SIDE COLLISION DETECTION	B1210	Side and/or curtain air bag modules are deployed.	Refer to SR-28, "For Side and Rollover Collision".

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to SRC-57, "Diagnosis Procedure (Component Diagnosis)".
NO >> Inspection End.

Diagnosis Procedure (Component Diagnosis)

INFOID:0000000007254689

Refer to SR-26, "For Frontal Collision" or SR-28, "For Side and Rollover Collision".

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

Trouble Diagnosis with CONSULT

INFOID:0000000007254690

DIAGNOSTIC CODE CHART

NOTE:

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

CONSULT name	DTC	DTC detecting condition	Repair order
DRIVER AIRBAG MODULE [OPEN]	B1049	Driver air bag module circuit (DR1) is open (including the spiral cable).	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Inspect spiral cable circuit. 4. Replace the air bag diagnosis sensor unit. 5. Replace the driver air bag module. 6. Replace the related harness.
	B1054	Driver air bag module circuit (DR2) is open (including the spiral cable).	
DRIVER AIRBAG MODULE [VB-SHORT]	B1050	Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).	
	B1055	Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE [GND-SHORT]	B1051	Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).	
	B1056	Driver air bag module circuit (DR2) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE [SHORT]	B1052	Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).	
	B1057	Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).	
ASSIST A/B MODULE [OPEN]	B1065	Front passenger air bag module circuit (AS1) is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the front passenger air bag module. 5. Replace the related harness.
	B1070	Front passenger air bag module circuit (AS2) is open.	
ASSIST A/B MODULE [VB-SHORT]	B1066	Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.	
	B1071	Front passenger air bag module circuit (AS2) is shorted to a power supply circuit.	
ASSIST A/B MODULE [GND-SHORT]	B1067	Front passenger air bag module circuit (AS1) is shorted to ground.	
	B1072	Front passenger air bag module circuit (AS2) is shorted to ground.	
ASSIST A/B MODULE [SHORT]	B1068	Front passenger air bag module circuits (AS1) are shorted to each other.	
	B1073	Front passenger air bag module circuits (AS2) are shorted to each other.	

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE MODULE LH [OPEN]	B1134	Front LH side air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the front LH side air bag module. 5. Replace the related harness.
SIDE MODULE LH [VB-SHORT]	B1135	Front LH side air bag module circuit is shorted to a power supply circuit.	
SIDE MODULE LH [GND-SHORT]	B1136	Front LH side air bag module circuit is shorted to ground.	
SIDE MODULE LH [SHORT]	B1137	Front LH side air bag module circuits are shorted to each other.	
SIDE MODULE RH [OPEN]	B1129	Front RH side air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the front RH side air bag module. 5. Replace the related harness.
SIDE MODULE RH [VB-SHORT]	B1130	Front RH side air bag module circuit is shorted to a power supply circuit.	
SIDE MODULE RH [GND-SHORT]	B1131	Front RH side air bag module circuit is shorted to ground.	
SIDE MODULE RH [SHORT]	B1132	Front RH side air bag module circuits are shorted to each other.	
CURTAIN MODULE LH [OPEN]	B1150	LH side curtain air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the LH side curtain air bag module. 5. Replace the related harness.
CURTAIN MODULE LH [VB-SHORT]	B1151	LH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN MODULE LH [GND-SHORT]	B1152	LH side curtain air bag module circuit is shorted to ground.	
CURTAIN MODULE LH [SHORT]	B1153	LH side curtain air bag module circuits are shorted to each other.	
CURTAIN MODULE RH [OPEN]	B1145	RH side curtain air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the RH side curtain air bag module. 5. Replace the related harness.
CURTAIN MODULE RH [VB-SHORT]	B1146	RH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN MODULE RH [GND-SHORT]	B1147	RH side curtain air bag module circuit is shorted to ground.	
CURTAIN MODULE RH [SHORT]	B1148	RH side curtain air bag module circuits are shorted to each other.	
PRE-TEN FRONT LH [OPEN]	B1086	LH seat belt pre-tensioner circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front LH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
PRE-TEN FRONT LH [VB-SHORT]	B1087	LH seat belt pre-tensioner circuit is shorted to a power supply circuit.	
PRE-TEN FRONT LH [GND-SHORT]	B1088	LH seat belt pre-tensioner circuit is shorted to ground.	
PRE-TEN FRONT LH [SHORT]	B1089	LH seat belt pre-tensioner circuits are shorted to each other.	
PRE-TEN FRONT RH [OPEN]	B1081	RH seat belt pre-tensioner circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front RH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
PRE-TEN FRONT RH [VB-SHORT]	B1082	RH seat belt pre-tensioner circuit is shorted to a power supply circuit.	
PRE-TEN FRONT RH [GND-SHORT]	B1083	RH seat belt pre-tensioner circuit is shorted to ground.	
PRE-TEN FRONT RH [SHORT]	B1084	RH seat belt pre-tensioner circuits are shorted to each other.	
CRASH ZONE SEN [UNIT FAIL]	B1033	Crash zone sensor has malfunctioned.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the crash zone sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
	B1034		
CRASH ZONE SEN [COMM FAIL]	B1035	Crash zone sensor communication error.	

CONSULT name	DTC	DTC detecting condition	Repair order
SATELLITE SENS LH [UNIT FAIL]	B1118 B1119	LH side air bag satellite sensor has malfunctioned.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag satellite sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
SATELLITE SENS LH [COMM FAIL]	B1120	LH side air bag satellite sensor communication error.	
SATELLITE SENS RH [UNIT FAIL]	B1113 B1114	RH side air bag satellite sensor has malfunctioned.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag satellite sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
SATELLITE SENS RH [COMM FAIL]	B1115	RH side air bag satellite sensor communication error.	
CONTROL UNIT	B1XXX	Air bag diagnosis sensor unit is malfunctioning.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the related harness.
PASS A/B INDCTR CKT	B1023	Front passenger air bag OFF indicator is malfunctioning.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front passenger air bag OFF indicator. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
OCCUPANT SENS C/U [UNIT FAIL]	B1017 B1020 B1021	The OCS control unit is malfunctioning.	1. Replace the RH front seat cushion assembly. Do not disassemble the seat cushion assembly.
OCCUPANT SENS [UNIT FAIL]	B1018	The OCS sensor mat is malfunctioning.	
OCCUPANT SENS [OTHER FAIL]	B1019	The OCS is malfunctioning.	
OCCUPANT SENS C/U [COMM FAIL]	B1022	Communication between the OCS control unit and the air bag diagnosis sensor unit is interrupted.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH front seat cushion assembly. Do not disassemble the seat cushion assembly. 4. Replace the air bag diagnosis sensor unit.
FRONTAL COLLISION DETECTION	B1209	Driver and/or front passenger air bag modules are deployed.	Refer to SR-26, "For Frontal Collision".
SIDE COLLISION DETECTION	B1210	Side and/or curtain air bag modules are deployed.	Refer to SR-28, "For Side and Rollover Collision".

Trouble Diagnosis without CONSULT

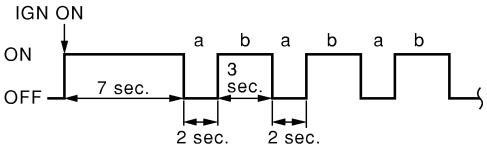
INFOID:0000000007254691

WARNING LAMP FLASH CODE CHART

NOTE:

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

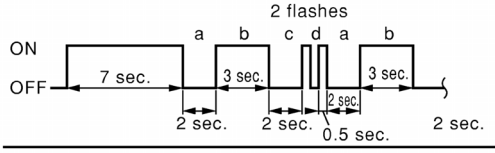
<Diagnosis results (previously stored in the memory) might not be erased after repair or intermittent malfunctions have been detected in the past.>

Flash pattern	Repair order
a through b are repeated. 	1. Go to DIAGNOSTIC PROCEDURES 2 and 3.

SHIA0026E

<Driver air bag module>

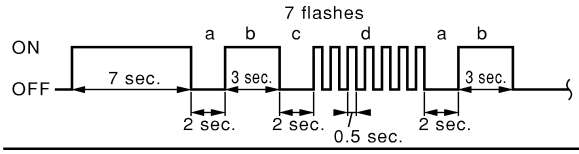
Flash pattern	Repair order
a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuits.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Inspect spiral cable circuit. 4. Replace the air bag diagnosis sensor unit. 5. Replace driver air bag module. 6. Replace the related harness.



AWHIA0311GB

<Air bag diagnosis sensor unit>

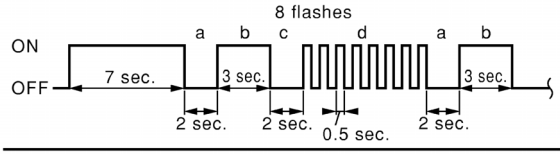
Flash pattern	Repair order
a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the related harness.



WHIA0198E

<Front passenger air bag module>

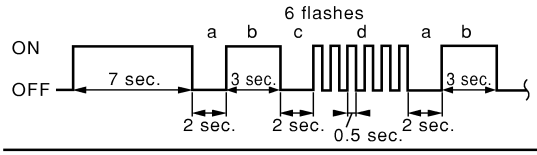
Flash pattern	Repair order
a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace front passenger air bag module. 5. Replace the related harness.



AWHIA0312GB

<Crash zone sensor>

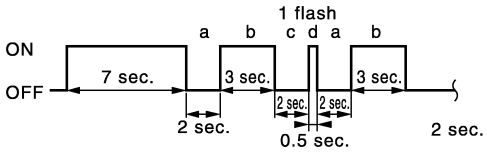
Flash pattern	Repair order
a through d are repeated. d: Six flashes indicate malfunctioning crash zone sensor circuit.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the crash zone sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.



WHIA0200E

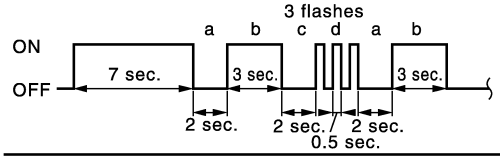
<Front RH seat belt pre-tensioner>

Flash pattern	Repair order
a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace front RH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.



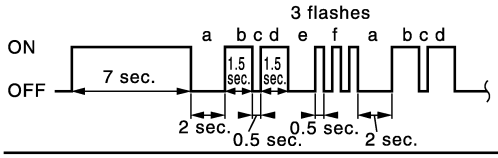
WHIA0262E

<Front LH seat belt pre-tensioner>

Flash pattern	Repair order
a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit. 	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace front LH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

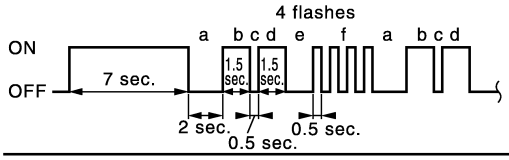
WHIA0263E

<RH side air bag (Satellite) sensor>

Flash pattern	Repair order
a through f are repeated. f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag (Satellite) sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

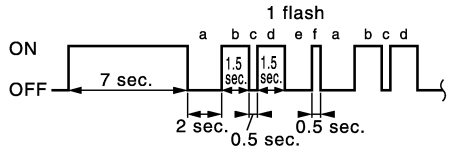
WHIA0203E

<LH side air bag (Satellite) sensor>

Flash pattern	Repair order
a through f are repeated. f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag (Satellite) sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

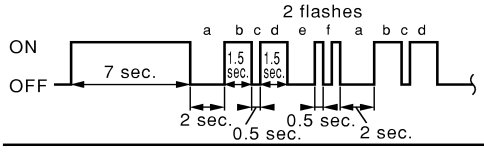
WHIA0204E

<Front RH side air bag module>

Flash pattern	Repair order
a through f are repeated. f: One flash indicate malfunctioning front RH side air bag module circuit. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the front RH side air bag module. 5. Replace the related harness.

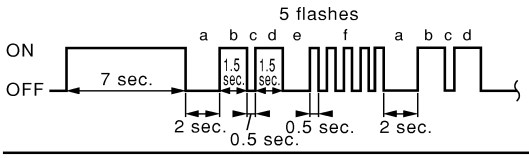
AWHIA0305GB

<Front LH side air bag module>

Flash pattern	Repair order
a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the front LH side air bag module. 5. Replace the related harness.

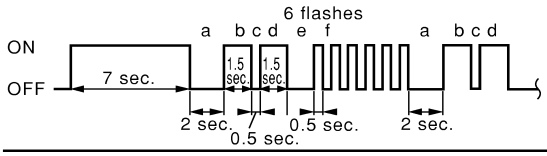
AWHIA0304GB

<RH side curtain air bag module>

Flash pattern	Repair order
a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace RH side curtain air bag module. 5. Replace the related harness.

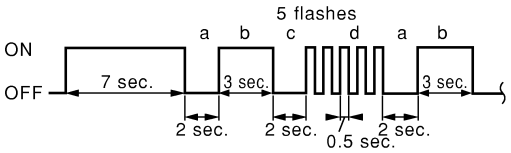
AWHIA0308GB

<LH side curtain air bag module>

Flash pattern	Repair order
a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace LH side curtain air bag module. 5. Replace the related harness.

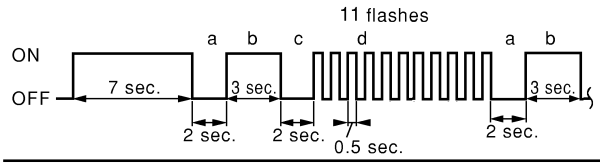
AWHIA0309GB

<Occupant classification system>

Flash pattern	Repair order
a through d are repeated. d: Five flashes indicate malfuntioning occupant classification system control unit. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH front seat cushion occupant classification system control unit assembly. 4. Replace the air bag diagnosis sensor unit.

WHIA0211E

<Front passenger air bag off indicator>

Flash pattern	Repair order
a through d are repeated. d: Eleven flashes indicate malfunctioning front passenger air bag off indicator. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front passenger air bag off indicator. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

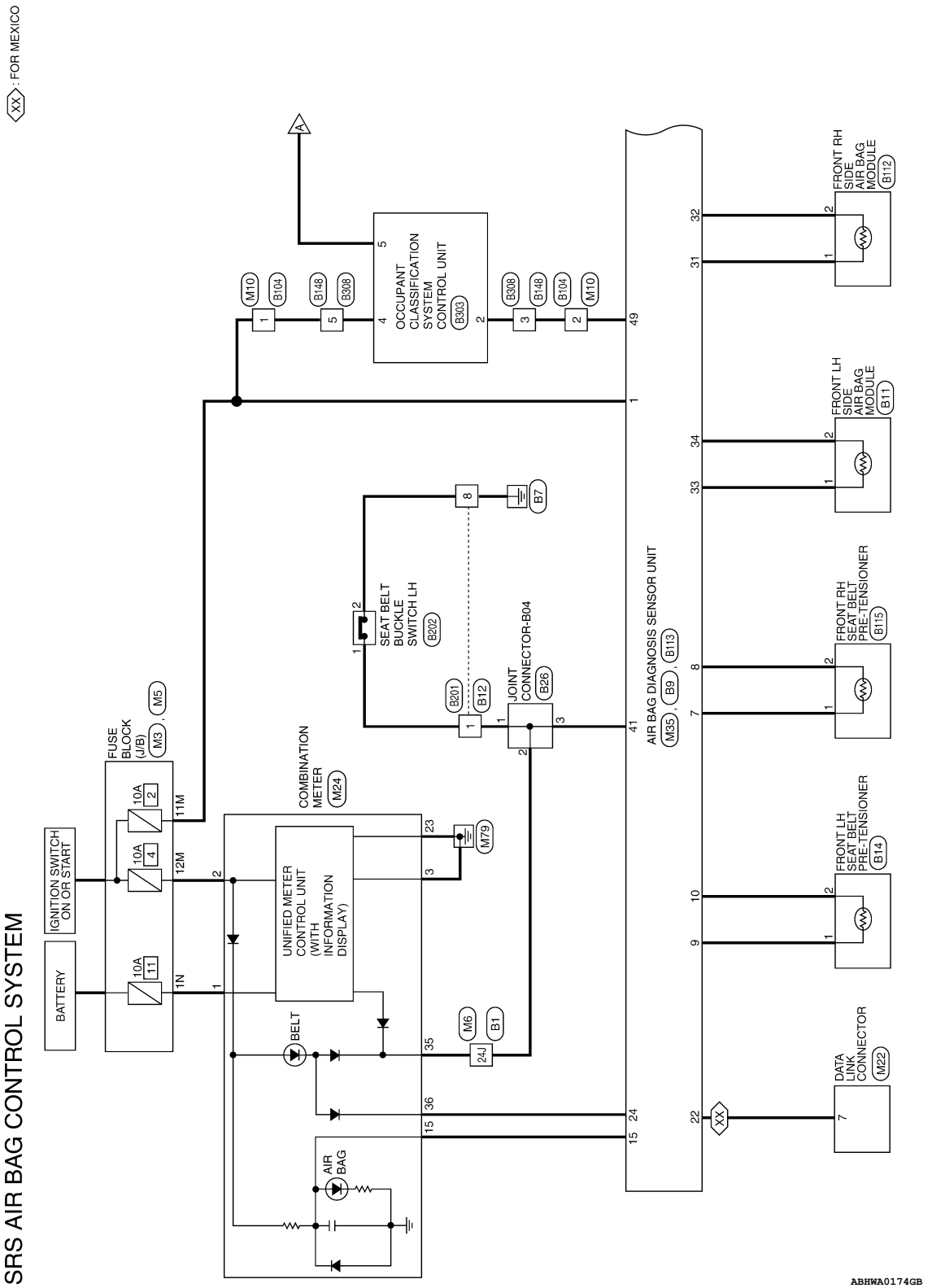
WHIA0212E

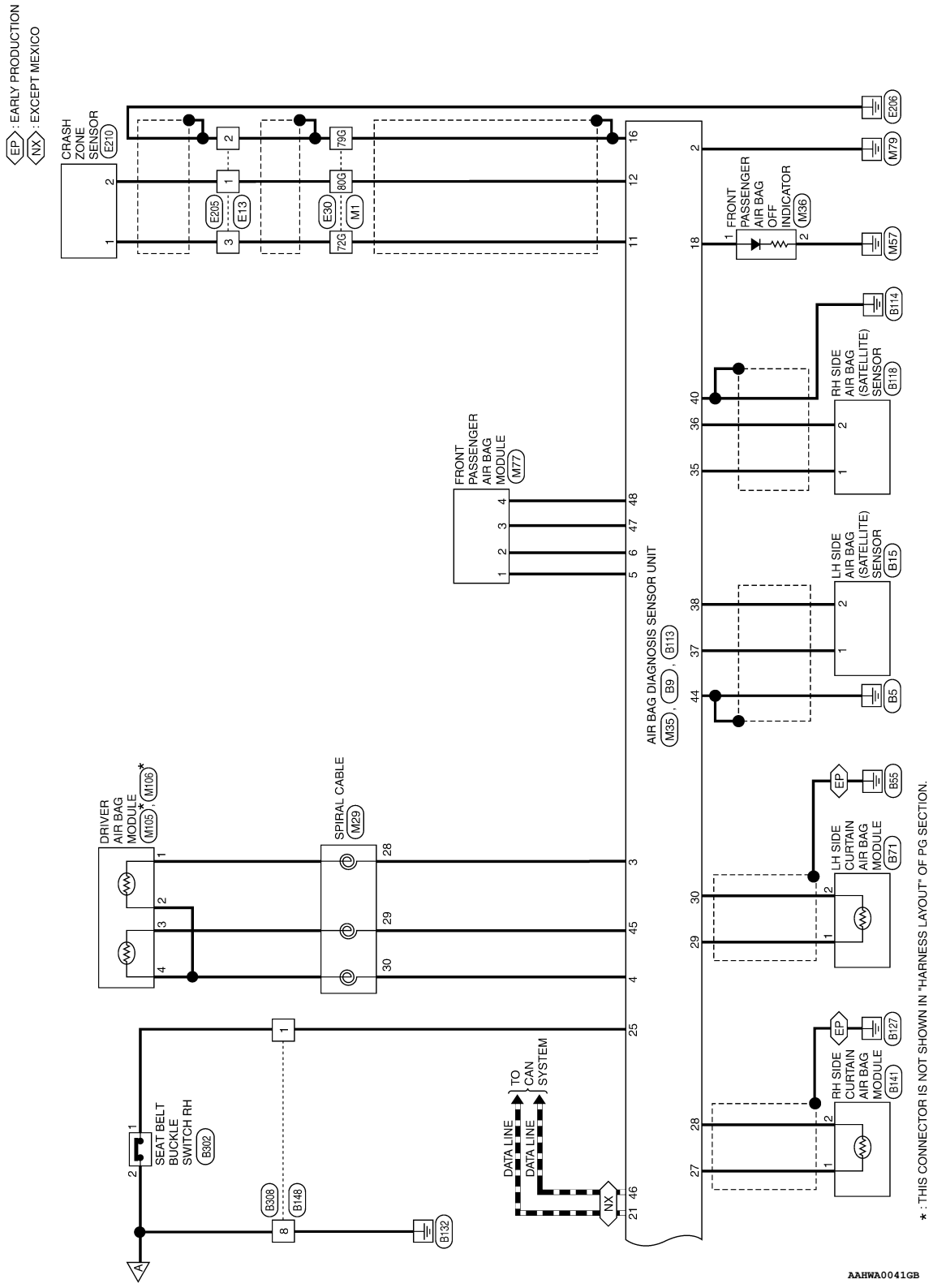
WIRING DIAGRAM

SRS AIR BAG CONTROL SYSTEM

Wiring Diagram

INFOID:0000000007254692

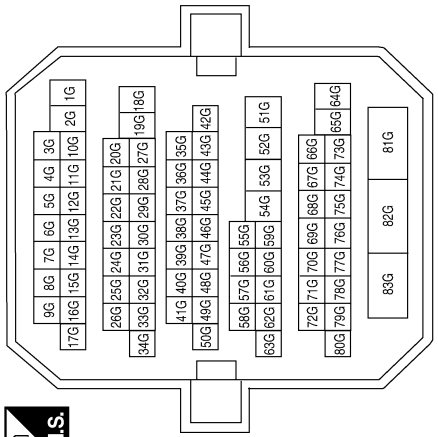



EP : EARLY PRODUCTION
NX : EXCEPT MEXICO
CRASH ZONE SENSOR E210
E205
E13
E30
M1
E206
M79
M57
FRONT PASSENGER AIR BAG OFF INDICATOR M36
B114
RH SIDE AIR BAG (SATELLITE) SENSOR B118
FRONT PASSENGER AIR BAG MODULE M77
LH SIDE AIR BAG (SATELLITE) SENSOR B15
B5
AIR BAG DIAGNOSIS SENSOR UNIT M35, B9, B113
DRIVER AIR BAG MODULE M105, M106*
SPIRAL CABLE M29
B55
LH SIDE CURTAIN AIR BAG MODULE B71
B127
RH SIDE CURTAIN AIR BAG MODULE B141
SEAT BELT BUCKLE SWITCH RH B302
B308
B148
B132
DATA LINE
DATA LINE
TO CAN SYSTEM
* : THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.
AAHWA0041GB

SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

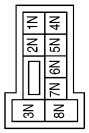
H.S.



Terminal No.	Color of Wire	Signal Name
72G	L/G	–
79G	SHIELD	–
80G	L/R	–

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

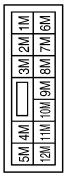
H.S.



Terminal No.	Color of Wire	Signal Name
1N	W/L	–

Connector No.	M5
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
11M	R/L	–
12M	O	–

AAHIA0002GB

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
7	O	–

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
1	R/L	–
2	L/B	–

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

9J	8J	7J	6J	5J	4J	3J		1J
17J	16J	15J	14J	13J	12J	11J	10J	2J
	25J	24J	23J	22J				
	30J	29J	28J	27J	26J	21J	20J	19J	18J
		37J	36J	35J	34J	33J	32J	31J	
		46J	45J	44J	43J	42J	41J	40J	39J	38J
		55J	54J	53J	52J	51J	50J	49J	
		63J	62J	61J	60J	59J	58J	57J	56J	48J	47J
			70J	69J	68J	67J	66J	65J	64J	
			79J	78J	77J	76J	75J	74J	73J	72J	71J
				87J	86J	85J	84J			
				92J	91J	90J	89J	88J	83J	82J	81J	80J
					99J	98J	97J	96J	95J	94J	93J	

Terminal No.	Color of Wire	Signal Name
24J	W/B	–

Connector No.	M24
Connector Name	COMBINATION METER
Connector Color	WHITE

H.S.

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

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

Terminal No.	Color of Wire	Signal Name
3	B	GND
15	BR/W	AIR BAG
23	B	GND
35	W/B	DR BELT
36	L/W	AS BELT

Connector No.	M29
Connector Name	SPIRAL CABLE
Connector Color	YELLOW

H.S.

21	22	23
28	29	30

Terminal No.	Color of Wire	Signal Name
28	Y/R	INFLATOR DR1+
29	Y/V	INFLATOR DR2+
30	Y	INFLATOR DR1&DR2-

AAHIA0003GB

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

H.S.

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

Terminal No.	Color of Wire	Signal Name
15	BR/W	AIRBAG W/L
16	SHIELD	–
18	V	CUTOFF TELLTALE
21	L	CAN-H
22	O	K-LINE
24	L/W	SEAT BELT REMINDER
45	Y/V	DR2(+)
46	P	CAN-L
47	Y	AS2(+)
48	Y/B	AS2(-)
49	L/B	ODS INPUT

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

H.S.

Terminal No.	Color of Wire	Signal Name
1	V	–
2	B	–

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

H.S.

Terminal No.	Color of Wire	Signal Name
1	Y/BR	AS1 (+)
2	Y/G	AS1 (-)
3	Y	AS2 (+)
4	Y/B	AS2 (-)

Connector No.	M105
Connector Name	DRIVER AIR BAG MODULE
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	–	DR1 (+)
2	–	DR1 (-)

Connector No.	M106
Connector Name	DRIVER AIR BAG MODULE
Connector Color	ORANGE

H.S.

Terminal No.	Color of Wire	Signal Name
3	–	DR2 (+)
4	–	DR2 (-)

AAHIA0004GB

Connector No.	E13
Connector Name	WIRE TO WIRE
Connector Color	BLACK

H.S.

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

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
72G	W/L	–
79G	SHIELD	–
80G	L/O	–

Connector No.	E205
Connector Name	WIRE TO WIRE
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	L/R	–
2	SHIELD	–
3	L/G	–

Connector No.	E210
Connector Name	CRASH ZONE SENSOR
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	L/G	–
2	L/R	–

AAHIA0005GB

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1J	2J	10J	11J	12J	13J	14J	15J	16J	17J
3J	4J	5J	6J	7J	8J	9J			
18J	19J	20J	21J	22J	23J	24J	25J		
			26J	27J	28J	29J	30J		
31J	32J	33J	34J	35J	36J	37J			
38J	39J	40J	41J	42J	43J	44J	45J	46J	
47J	48J	49J	50J	51J	52J	53J	54J	55J	
	56J	57J	58J	59J	60J	61J	62J	63J	
64J	65J	66J	67J	68J	69J	70J			
71J	72J	73J	74J	75J	76J	77J	78J	79J	
		80J	81J	82J	83J	84J	85J	86J	87J
					88J	89J	90J	91J	92J
		93J	94J	95J	96J	97J	98J	99J	

Terminal No.	Color of Wire	Signal Name
24J	GR	–

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

H.S.

33	41	29		30	34
44	37	38	9		10

Terminal No.	Color of Wire	Signal Name
9	Y/G	PLH1(+)
10	Y/V	PLH1(-)
29	Y	CLH1(+)
30	BR	CLH1(-)
33	Y/R	SLH(+)
34	Y/B	SLH(-)
37	R	SATELLITE LH (+)
38	G	SATELLITE LH (-)
41	GR	LH BUCKLE SW INPUT
44	SHIELD	–

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

H.S.

2	1

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

Connector No.	B12
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

3		2	1
8	7	6	5	4

Terminal No.	Color of Wire	Signal Name
1	GR	–
8	B/W	–

Connector No.	B11
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Color	YELLOW

H.S.

1	2

Terminal No.	Color of Wire	Signal Name
1	Y/R	(+)
2	Y/B	(-)

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Connector No.	B71
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Color	YELLOW

H.S.

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

Connector No.	B26
Connector Name	JOINT CONNECTOR-B04
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	GR	–
2	GR	–
3	GR	–

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

H.S.

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

Connector No.	B104
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	V	–
2	BR	–

Connector No.	B112
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	Y/R	(+)
2	Y/B	(-)

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

H.S.

Terminal No.	Color of Wire	Signal Name
7	Y/G	PRH1(+)
8	Y/V	PRH1(-)
25	L	RH BUCKLE SW INPUT
27	Y	CRH1(+)
28	O	CRH1(-)
31	Y/R	SRH(+)
32	Y/B	SRH (-)
35	R	SATELLITE RH(+)
36	G	SATELLITE RH(-)
40	SHIELD	–

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Connector No.	B115
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW

H.S.

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

Connector No.	B118
Connector Name	RH SIDE AIR BAG (SATELLITE) SENSOR
Connector Color	YELLOW

H.S.

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

Connector No.	B141
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	Y	–
2	O	–

Connector No.	B148
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	L	–
3	BR	–
5	V	–
8	B	–

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	L	–
8	B	–

Connector No.	B202
Connector Name	SEAT BELT BUCKLE SWITCH LH
Connector Color	WHITE

H.S.

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

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Connector No.	B308
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	L	–
3	L/B	–
5	R/L	–
8	B	–

Connector No.	B303
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
2	L/B	SIGNAL
4	R/L	POWER SUPPLY(+)
5	B	GND

Connector No.	B302
Connector Name	SEAT BELT BUCKLE SWITCH RH
Connector Color	WHITE

H.S.

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

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SYMPTOM DIAGNOSIS

SRS AIR BAG SYSTEM

"AIR BAG" Warning Lamp Does Not Turn Off

INFOID:0000000007254693

DIAGNOSTIC PROCEDURE 7

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-26, "For Frontal Collision" or SR-28, "For Side and Rollover Collision".
NO >> GO TO 2

2.CHECK THE AIR BAG FUSE

Check 10A fuse [No. 2, 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. 2, 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-23, "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-23, "Removal and Installation".

"AIR BAG" Warning Lamp Does Not Turn On

INFOID:0000000007254694

DIAGNOSTIC PROCEDURE 8

1.CHECK METER FUSE

Check the 10A fuse [No. 4, 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. 4, 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-

TION METER

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

Do the harness or connectors have any visible damage?

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

4. CHECK COMBINATION METER

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

Does “AIR BAG” warning lamp turn on?

YES >> Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".
NO >> Replace the combination meter. Refer to MWI-121, "Removal and Installation".

PASSENGER SEAT BELT WARNING SYSTEM

Seat Belt Warning System Does Not Function

INFOID:0000000007254695

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. 4, 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-50, "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-23, "Removal and Installation".

PRECAUTION

PRECAUTIONS

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

INFOID:0000000007254696

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 3 minutes before performing any service.**

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

INFOID:0000000007254697

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

Occupant Classification System Precaution

INFOID:0000000007254698

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