

SECTION **SRC**

SRS AIRBAG CONTROL SYSTEM

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FOR USA AND CANADA

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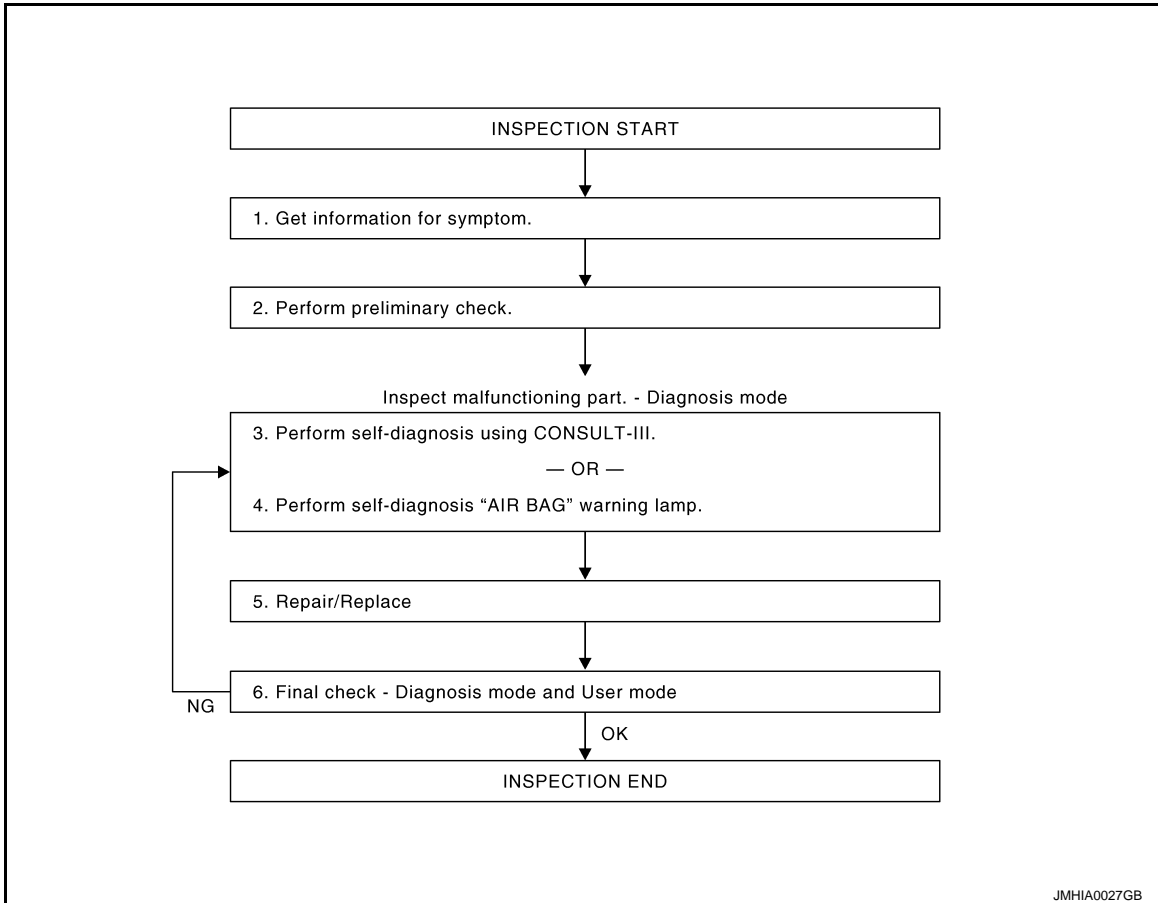
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

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OVERALL SEQUENCE



DETAILED FLOW

1.GET INFORMATION FOR SYMPTOM

Interview the customer about the symptom.

>> GO TO 2.

2.PERFORM PRELIMINARY CHECK

At the beginning of inspection, confirm the condition of power supply circuit, check that the battery is charged and fuses and fusible links are not blown.

Is power supply circuit normal?

YES-1 >> GO TO 3. (With CONSULT-III)

YES-2 >> GO TO 4. (Without CONSULT-III)

NO >> Repair or replace the battery and fuse/fusible links.

3.PERFORM SELF-DIAGNOSIS USING "CONSULT-III" (WITH CONSULT-III)

Perform "AIR BAG" Self Diagnostic Result.

Is "MALFUNCTIONING PART" displayed on CONSULT-III?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[FOR USA AND CANADA]

4.PERFORM SELF-DIAGNOSIS "AIR BAG" WARNING LAMP (WITHOUT CONSULT-III)

Check the air bag warning lamp status.

Is "MALFUNCTIONING PART" detected?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

5.REPAIR OR REPLACE

Repair or replace the malfunctioning part.

After the malfunction is repaired, erase the self-diagnostic result. Refer to [SRC-17. "Diagnosis Description"](#) or [SRC-19. "CONSULT-III Function"](#).

>> GO TO 6.

6.FINAL CHECK

Perform "AIR BAG" Self Diagnostic Result with CONSULT-III and /or, air bag warning lamp status.

Are all malfunctions corrected?

YES >> **INSPECTION END**

NO-1 >> GO TO 3. (With CONSULT-III)

NO-2 >> GO TO 4. (Without CONSULT-III)

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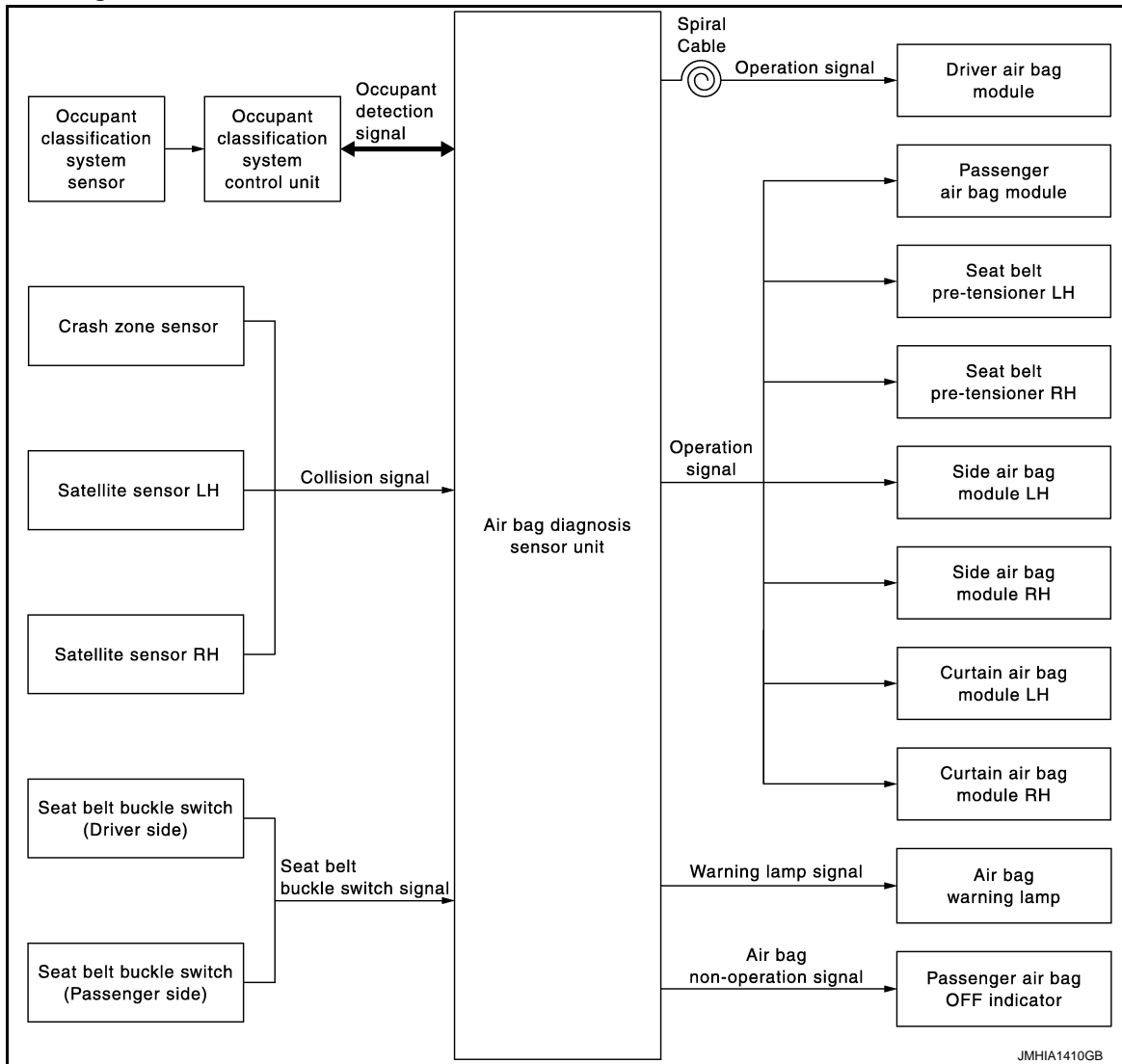
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SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

System Diagram

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System Description

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Supplemental Restraint System (SRS) activates air bag module and seat belt pre-tensioner when it detects a frontal collision or a side collision that is more than the specified limit. Together with other safety devices, it reduces the impact that occupant receives when vehicle collision occurs.

Air bag sensor unit supplies power supply to air bag module and seat belt pre-tensioner when deceleration that is more than the specified limit is detected by G sensor in air bag diagnosis sensor unit, crash zone sensor, or satellite sensor. Air bag module is composed of electric igniter (squib), filter, pyrotechnic material, and gas generating material. When air bag module receives a signal from air bag sensor unit, air bag module ignites pyrotechnic material using electric igniter (squib) so that gas generating material generates high temperature nitrogen gas. The gas through filter activates air bag and seat belt pre-tensioner.

AIR BAG DIAGNOSIS SENSOR UNIT FUNCTIONS

Air bag diagnosis sensor unit has the following functions.

- Detects a collision and supplies the energy for deploying air bag and seat belt pre-tensioner.
- Detects and records electrical malfunction in air bag system and seat belt pre-tensioner system, and blinking air bag warning lamp.
- Detects and records the deployment of air bag and seat belt pre-tensioner, and turns ON air bag warning lamp.

SRS AIR BAG SYSTEM

[FOR USA AND CANADA]

< SYSTEM DESCRIPTION >

- Indicates malfunctioning portion via the number of blinks from the air bag warning lamp in the diagnosis mode.
- Indicates the malfunction record via CONSULT-III.
- Suppresses the deployment of passenger air bag when passenger seat is empty or occupied by child or child-seat.
- When passenger seat is occupied by child or child seat, turns ON passenger air bag OFF indicator.
- When judges that passenger seat is occupied by a adult or a child and passenger seat belt is not fasten, turns ON seat belt warning lamp. Further information for the seat belt warning system, refer to [SRC-15, "System Description"](#).

COLLISION MODES

The operation of SRS is different depending on the collision modes applications. For example, the driver air bag module, passenger air bag module, and seat belt pre-tensioner are activated in a frontal collision but not in a side collision.

SRS configurations that are activated for the following collision modes.

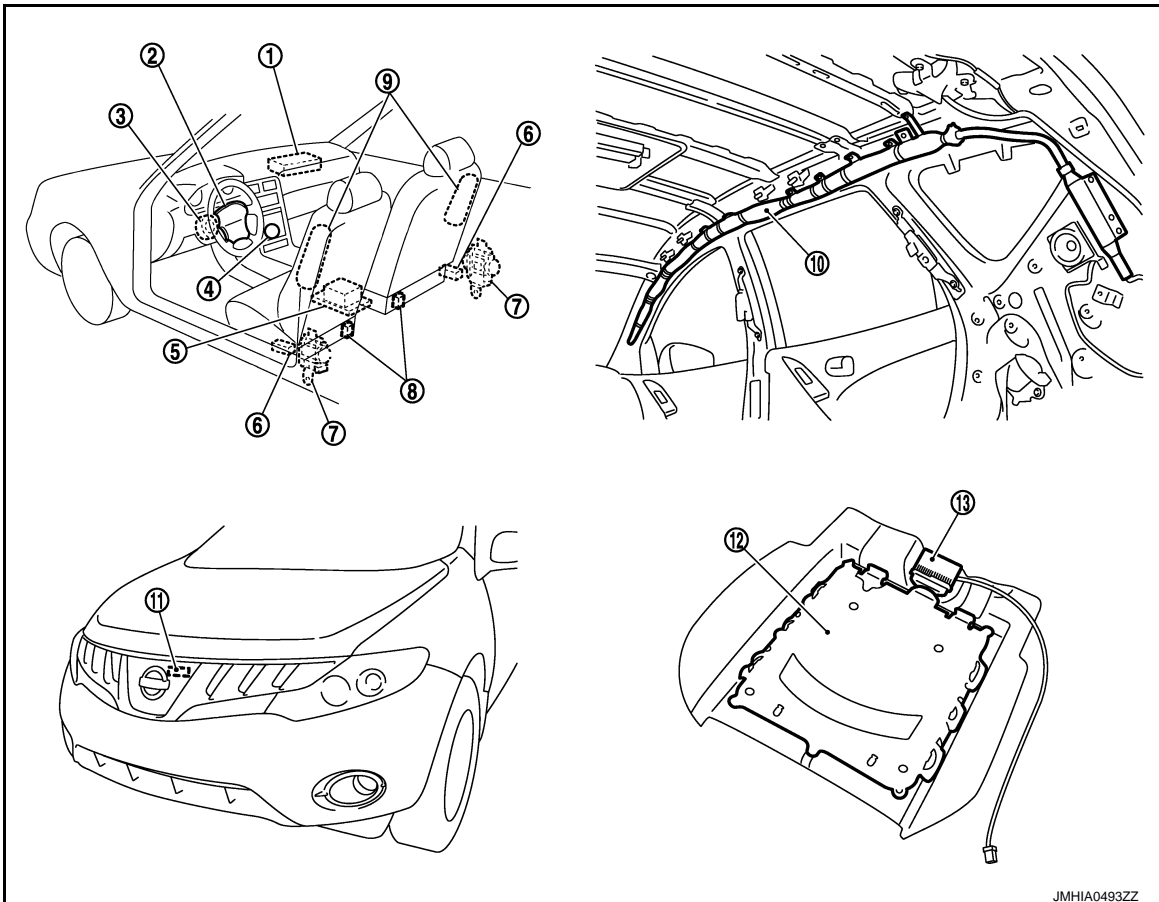
×: Apply —: Not apply

Collision Mode	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
Frontal collision	×	×	×	×	—	—	—	—
Left side collision	—	—	—	—	×	—	×	—
Right side collision	—	—	—	—	—	×	—	×

Component Parts Location

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1. Front passenger air bag module
2. Driver air bag module
3. Combination switch (Spiral cable)
4. Front passenger air bag OFF indicator
5. Air bag diagnosis sensor unit
6. Satellite sensor (LH/RH)

SRS AIR BAG SYSTEM

[FOR USA AND CANADA]

< SYSTEM DESCRIPTION >

- | | | |
|-------------------------------------------------|----------------------------------------------------------|----------------------------------------------------|
| 7. Front seat belt pre-tensioner (LH/RH) | 8. Seat belt buckle switch (Driver side/ Passenger side) | 9. Front side air bag module (LH/RH) |
| 10. Side curtain air bag module | 11. Crash zone sensor | 12. Occupant Classification System seat sensor mat |
| 13. Occupant Classification System control unit | | |

Component Description

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Component	Function
Air bag diagnosis sensor unit	Detects a collision and supplies power supply for deployment to air bag module and pre-tensioner seat belt.
Air bag module <ul style="list-style-type: none"> • Driver • Passenger • Side • Curtain 	Receives signal from air bag diagnosis sensor unit and deploys air bag.
Seat belt pre-tensioner	Receives signal from air bag diagnosis sensor unit and deploys seat belt pre-tensioner.
Seat belt buckle switch	Controls deployment timing based on seat belt fastened or unfastened condition.
Crash zone sensor	Transmits signal to air bag diagnosis sensor unit when a frontal collision occurs.
Satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.
Occupant Classification System control unit	Detects passenger seat occupant and judges whether or not passenger seat air bag is deployed.
Combination meter (air bag warning lamp)	Indicates air bag malfunctioning and deployment by blinking and illuminating air bag warning lamp.
Passenger air bag OFF indicator	Indicates whether or not passenger air bag is in the activation mode based on the judgement of Occupant Classification System.
Combination switch (spiral cable)	Supplies power supply to driver air bag module on steering wheel.

OCCUPANT CLASSIFICATION SYSTEM

< SYSTEM DESCRIPTION >

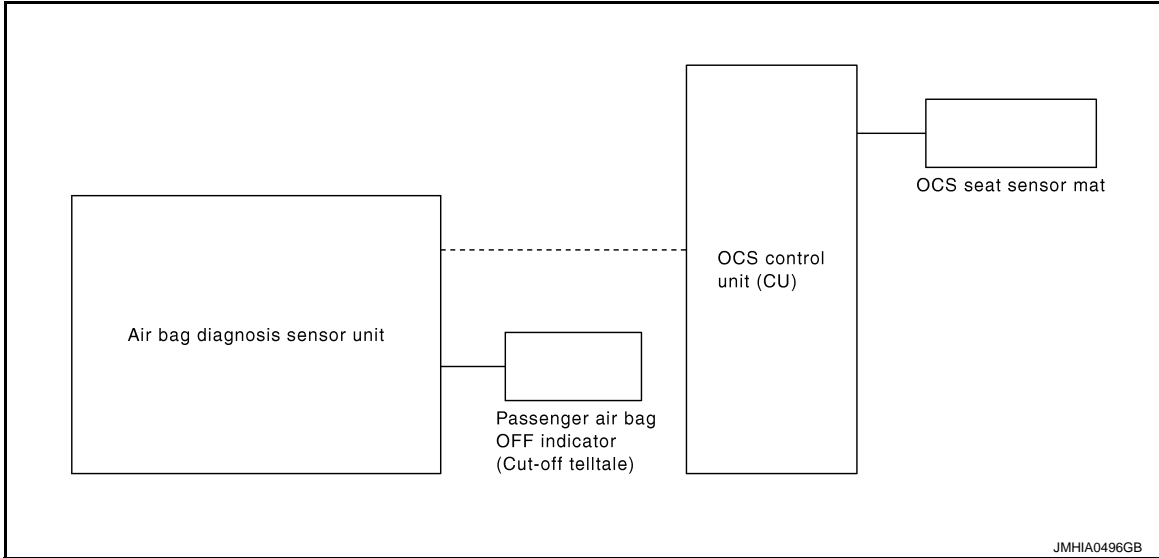
[FOR USA AND CANADA]

OCCUPANT CLASSIFICATION SYSTEM

System Diagram

INFOID:000000006262879

OCCUPANT CLASSIFICATION SYSTEM



System Description

INFOID:000000006262880

This Occupant Classification System (OCS) has the following function.

1. Suppress the deployment of passenger air bag when passenger seat is empty, or when occupied by child and child-seat. Turns on passenger air bag OFF indicator (Cut-off telltale) when passenger seat is occupied by child-seat and child.
2. Indicates malfunction portion with blinking times of air bag warning lamp in diagnosis mode.
3. Indicates the malfunctioning record by CONSULT-III.

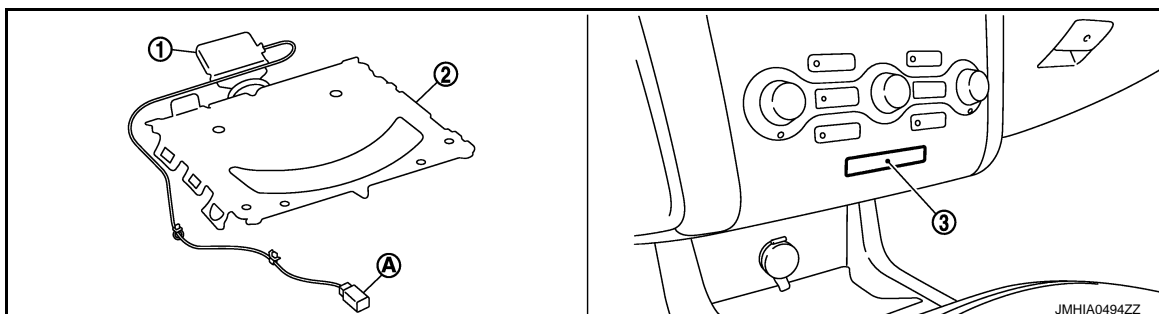
NOTE:

Operation of air bag diagnosis sensor unit when air bag diagnosis sensor unit receives information from Occupant Classification System (OCS)

Status (front passenger seat)	Passenger air bag	Passenger air bag OFF indicator (Cut-off telltale)	Air bag warning lamp	Seat belt warning lamp (when front passenger seat is unbuckled)
Empty	Suppress	Off	Off	Off
Child/ child-seat	Suppress	On	Off	On
Adult	Enable to deploy	Off	Off	On
Malfunction	Suppress	On	Blinking	Off

Component Parts Location

INFOID:000000006262881



OCCUPANT CLASSIFICATION SYSTEM

< SYSTEM DESCRIPTION >

[FOR USA AND CANADA]

1. Occupant classification system control unit
 2. Occupant classification system seat sensor mat
 3. Front passenger air bag OFF indicator
- A. Occupant classification system control unit harness connector

Component Description

INFOID:000000006262882

Component parts	Outline of function
Occupant classification system seat sensor mat	Detects if the passenger seat is empty or occupied
Occupant classification system control unit	Transmits the passenger seat status (occupied or empty) to air bag diagnosis sensor unit
Passenger air bag OFF indicator	Turns the passenger air bag OFF indicator lamp ON when the passenger seat is occupied by a child or a child-seat

PASSENGER SEAT BELT WARNING SYSTEM

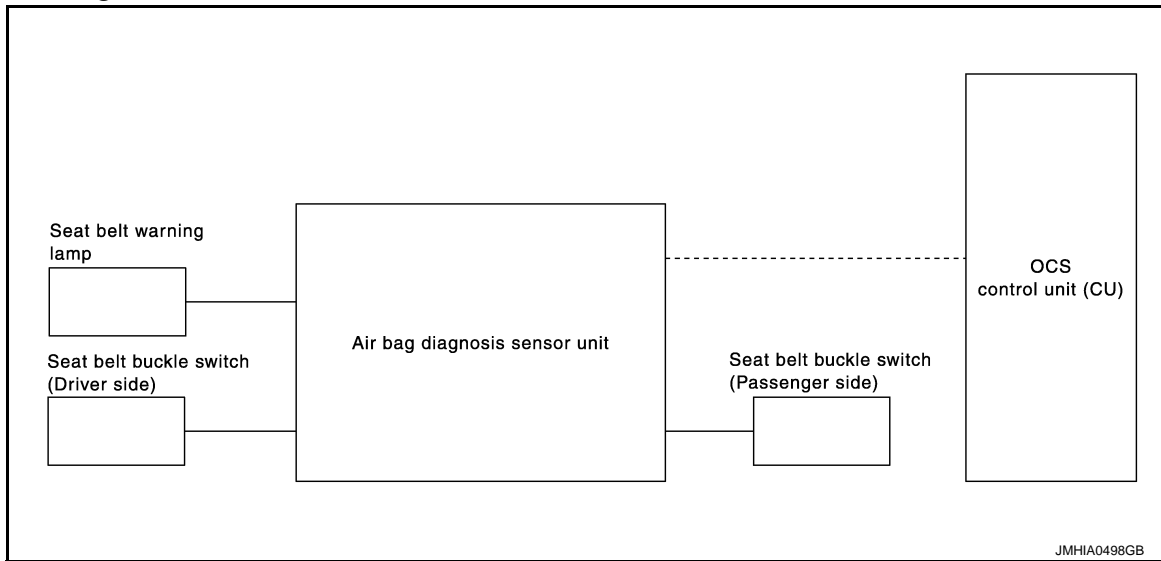
< SYSTEM DESCRIPTION >

[FOR USA AND CANADA]

PASSENGER SEAT BELT WARNING SYSTEM

System Diagram

INFOID:000000006262883



System Description

INFOID:000000006262884

This Passenger Seat Belt Warning System has the following function.

Turns ON seat belt warning lamp, when the Occupant Classification System (OCS) judges adult or child in the passenger seat and the passenger seat belt buckle switch is not on.

NOTE:

In addition, a seat belt warning lamp illuminates and a seat belt alarm sounds, when the driver seat belt buckle switch is not on, This does not relate to the air bag sensor. (Refer to BCM.)

NOTE:

Operation of air bag diagnosis sensor unit when air bag diagnosis sensor unit receives information from Occupant Classification System (OCS)

Status (front passenger seat)	Passenger air bag	Passenger air bag OFF indicator (Cut-off tell-tale)	Air bag warning lamp	Seat belt warning lamp (When front passenger seat is unbuckled)
Empty	Suppress	Off	Off	Off
Child/ child-seat	Suppress	On	Off	On
Adult	Enable to deploy	Off	Off	On
Malfunction	Suppress	On	Blinking	Off

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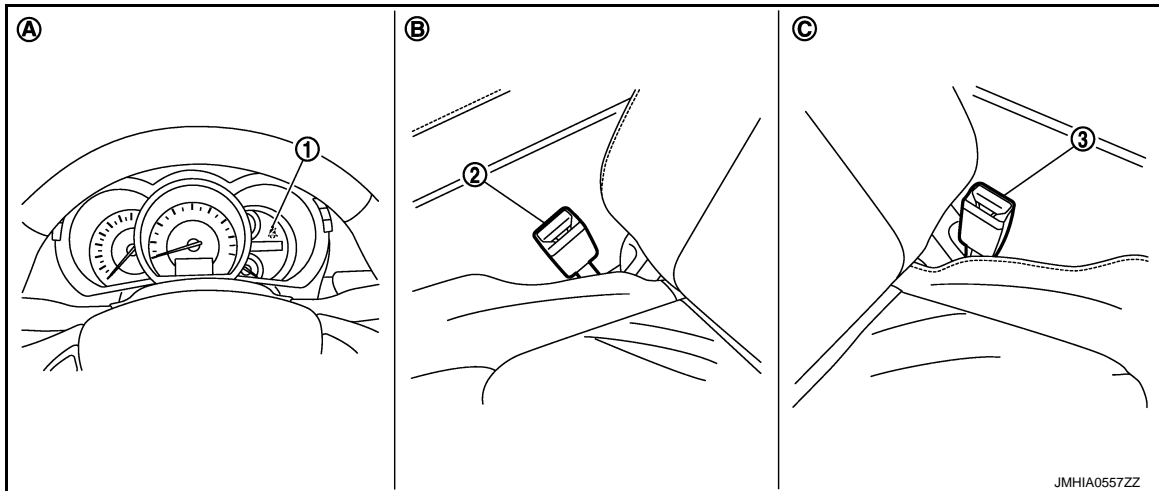
PASSENGER SEAT BELT WARNING SYSTEM

< SYSTEM DESCRIPTION >

[FOR USA AND CANADA]

Component Parts Location

INFOID:000000006262885



- | | | |
|-----------------------------------------------|------------------------------------------|---------------------------------------------|
| 1. Combination meter (Seat belt warning lamp) | 2. Seat belt buckle switch (Driver side) | 3. Seat belt buckle switch (Passenger side) |
| A. Combination meter panel | B. Driver side | C. Passenger side |

Component Description

INFOID:000000006262886

Component parts	Outline of function
Seat belt buckle switch (Driver side)	Detects if the driver seat belt is fastened or unfastened NOTE: Lighting of a seat belt warning lamp and a seat belt alarm are outputted when the seat belt buckle switch (driver side) is not put on, but it does not relate to an air bag diagnosis sensor unit
Seat belt buckle switch (Passenger side)	Detects if the seat belt buckle switch (passenger side) is fastened or unfastened
Combination meter (Seat belt warning lamp)	Turns the seat belt warning lamp ON when the passenger seat belt is unfastened

DIAGNOSIS SYSTEM (AIRBAG)

Diagnosis Description

INFOID:000000006262887

CAUTION:

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

DIAGNOSIS FUNCTION

- The SRS self-diagnosis results can be read by using air bag warning lamp and/or CONSULT-III.
- 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-III are as follows.

	User mode	Diagnosis mode	Display type
Air bag warning lamp	X	X	ON-OFF operation
CONSULT-III	–	X	Monitoring

HOW TO PERFORM TROUBLE DIAGNOSIS FOR QUICK AND ACCURATE REPAIR

A good understanding of the malfunction conditions can make troubleshooting faster and more accurate. In general, each customer feels differently about a malfunction. It is important to fully understand the symptoms or conditions for a customer complaint.

Information from Customer.

- WHAT..... Vehicle model.
- WHEN..... Date, Frequencies.
- WHERE..... Road conditions.
- HOW..... Operating conditions, Symptoms.

Preliminary Check.

Check that the following parts are in good order.

- Battery (Refer to [PG-3, "How to Handle Battery"](#)).
- Fuse (Refer to [PG-87, "Fuse"](#)).
- System component-to-harness connections.

HOW TO ERASE SELF-DIAGNOSTIC RESULTS (With CONSULT-III)

- “SELF-DIAG [CURRENT]”
A current self-diagnosis result is displayed on CONSULT-III screen in real time. After the malfunction is repaired completely, no malfunction is detected on “SELF-DIAG [CURRENT]”.
- “SELF-DIAG [PAST]”
Return to “SELF-DIAG [CURRENT]” CONSULT-III screen by touching “BACK” key of CONSULT-III and select “SELF-DIAG [CURRENT]” in SELECT DIAG MODE. Touch “ERASE” in “SELF-DIAG [CURRENT]” mode.

NOTE:

- 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.
- “TROUBLE DIAG RECORD”
The memory of “TROUBLE DIAG RECORD” cannot be erased.

HOW TO ERASE SELF-DIAGNOSTIC RESULTS (Without CONSULT-III)

After a malfunction is repaired, turn the ignition switch OFF for at least one second, then turn ignition switch ON diagnosis mode returns to the user mode. At that time the self-diagnosis result is cleared.

DIAGNOSIS SYSTEM (AIRBAG)

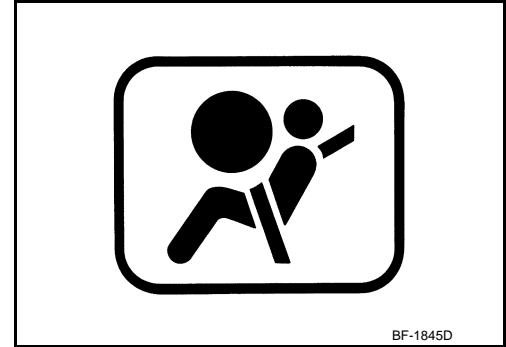
[FOR USA AND CANADA]

< SYSTEM DESCRIPTION >

DIAGNOSTIC PROCEDURE (User mode)

Checking air bag operation according to 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 air bag warning lamp blinking pattern with the examples.



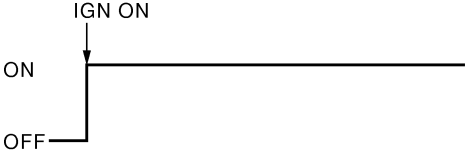

Warning lamp examples (User mode)

Air bag warning lamp operation -User mode	SRS condition	Reference item
<p>SHIA0011E</p>	<ul style="list-style-type: none"> • No malfunction is detected • No further action is necessary 	<p>—</p>
<p>SHIA0012E</p>	<ul style="list-style-type: none"> • The system is malfunctioning and needs to be repaired as indicated 	<p>Go to SRC-19, "CONSULT-III Function"</p>

DIAGNOSIS SYSTEM (AIRBAG)

< SYSTEM DESCRIPTION >

[FOR USA AND CANADA]

Air bag warning lamp operation -User mode	SRS condition	Reference item
 <p style="text-align: right;">SHIA0013E</p>	<ul style="list-style-type: none"> Air bag is deployed Seat belt pre-tensioner is deployed 	Go to SRC-147, "Diagnosis Procedure" or SRC-149, "Diagnosis Procedure"
 <p style="text-align: right;">SHIA0014E</p>	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is malfunctioning Air bag power supply circuit is malfunctioning Air bag warning lamp circuit is malfunctioning 	Go to SRC-176, "Diagnosis Procedure"

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DIAGNOSTIC PROCEDURE (With CONSULT-III)

Diagnostic Mode	Description
SELF-DIAG RESULT	The self-diagnosis result is displayed (SELF-DIAG [CURRENT], [PAST], [RECORD])
DISCRIMINATED No.	The part number of diagnosis sensor unit is displayed

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CONSULT-III Function

INFOID:000000006262888

DIAGNOSIS MODE FOR CONSULT-III

- “SELF-DIAG [CURRENT]”
A current self-diagnosis results (also indicated with the number of air bag warning lamp blinks in diagnosis mode) are displayed on CONSULT-III 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 CONSULT-III screen. The stored results are not erased until memory erasing is executed.
- “TROUBLE DIAG RECORD”
With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on CONSULT-III screen.
- “DISCRIMINATED NO.”
Air bag diagnosis sensor unit ECU discriminated number (identification number) is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) based on model and equipment.

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HOW TO CHANGE SELF-DIAGNOSIS MODE WITH CONSULT-III

From User Mode to Diagnosis Mode

After selecting “AIR BAG” on the “SELECT SYSTEM” screen, User mode automatically changes to Diagnosis mode.

From Diagnosis Mode to User Mode

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DIAGNOSIS SYSTEM (AIRBAG)

< SYSTEM DESCRIPTION >

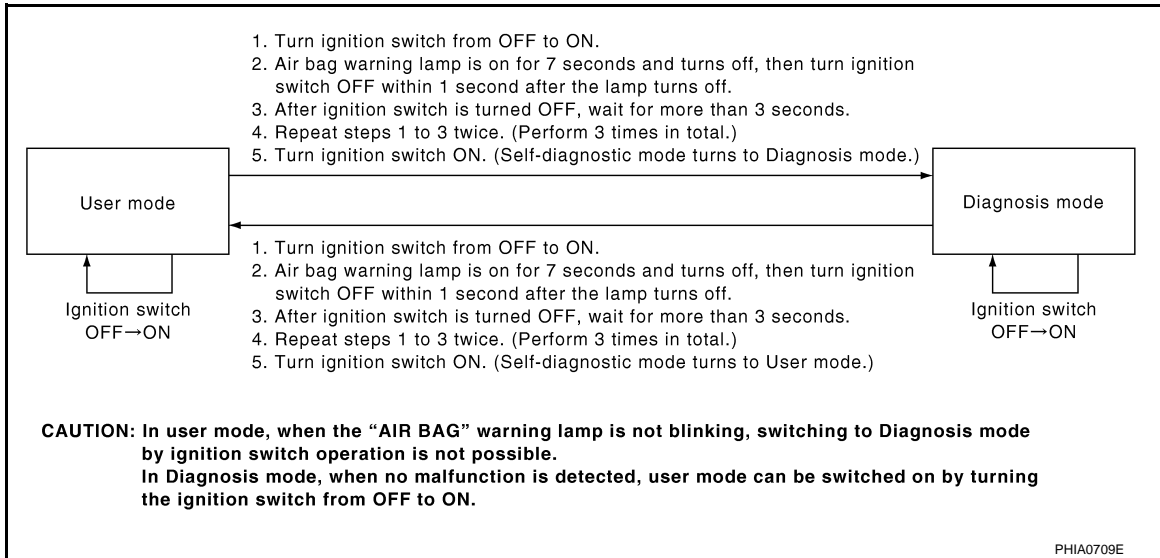
[FOR USA AND CANADA]

To return to User mode from Diagnosis mode, touch "BACK" key of CONSULT-III until "SELECT SYSTEM" appears, then diagnosis mode automatically changes to User mode.

SELF-DIAGNOSIS FUNCTION (Without CONSULT-III)

- The reading of these results is accomplished by "User mode" and "Diagnosis mode".
- After a malfunction is repaired, turn ignition switch ON. Diagnosis mode returns to the user mode. At that time, the self-diagnosis result is cleared.

HOW TO CHANGE SELF-DIAGNOSIS MODE WITHOUT CONSULT-III



B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

DTC/CIRCUIT DIAGNOSIS

B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006262889

DTC B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006262890

SRC

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1001 B1002 B1003 B1004 B1005	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-22. "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262891

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006262892

DTC B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006262893

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1006 B1007 B1008 B1009 B1010	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-24, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262894

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006262895

DTC B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006262896

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1011 B1012 B1013 B1014 B1015	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

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

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262897

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1017, B1020, B1021 OCCUPANT SENS C/U

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1017, B1020, B1021 OCCUPANT SENS C/U

Description

INFOID:000000006262898

DTC B1017, B1020, B1021 [UNIT FAIL] OCCUPANT SENS C/U

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on front passenger air bag OFF indicator (Cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the air bag warning lamp report the malfunction to driver and by the on board self-diagnosis system or electro-diagnosis tester CONSULT-III can detect the cause.

OPERATION

This unit classifies occupant in passenger seat and detects electrical malfunctions in Occupant Classification System (OCS), and transmits malfunction information to air bag control unit.

STRUCTURE

It is integrated into the seat sensor mat and detects the occupants with Occupant Classification System (OCS) control unit that classifies the occupants.

INSTALLATION

Occupant Classification System (OCS) control unit is installed in the passenger seat cushion.

DTC Logic

INFOID:000000006262899

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1017 B1020 B1021	OCCUPANT SENS C/U [UNIT FAIL]	Trouble occurs in OCS-C/U	<ul style="list-style-type: none">Disconnection of wiring harnessInternal breakdown in occupant classification system (C/U)

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-28, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262900

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.Refer to [SR-53, "Removal and Installation"](#).

2. Perform DTCconfirmation procedure.Refer to [SRC-27, "DTC Logic"](#).

is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace wiring harness.

4.CHECK OCCUPANT CLASSIFICATION SYSTEM (C/U)

1. Replace occupant classification system (C/U). (front passenger side seat cushion assembly.)

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1018 OCCUPANT SENS

Description

INFOID:000000006262901

DTC B1018 [UNIT FAIL] OCCUPANT SENS

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on front passenger air bag OFF indicator (Cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the air bag warning lamp reports the malfunction to driver and by the on board self-diagnosis system or electro-diagnosis tester CONSULT-III can detect the cause.

OPERATION

The unit classifies occupant in passenger seat and transmits it to Occupant Classification System (OCS) control unit.

STRUCTURE

Plural sensors are installed in the sensor mat to prevent incorrect sensing induced by the sitting position.

INSTALLATION

Seat sensor mat is installed in the passenger seat cushion.

DTC Logic

INFOID:000000006262902

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1018	OCCUPANT SENS [UNIT FAIL]	Trouble occurs in OCS-SENS	<ul style="list-style-type: none"> Disconnection of wiring harness Internal breakdown in occupant classification system sensor

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-30. "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

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< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262903

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.Refer to [SR-53, "Removal and Installation"](#).

2. Perform DTCconfirmation procedure.Refer to [SRC-29, "DTC Logic"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace wiring harness.

4.CHECK OCCUPANT CLASSIFICATION SYSTEM SENSOR

1. Replace occupant classification system sensor. (front passenger side seat cushion assembly.)

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1022 OCCUPANT SENS C/U

Description

INFOID:000000006262904

DTC B1022 [COMM FAIL] OCCUPANT SENS C/U

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on front passenger air bag OFF indicator (Cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the air bag warning lamp reports the malfunction to driver and by the on board self-diagnosis system or electro-diagnosis tester CONSULT-III can detect the cause.

OPERATION

This unit classifies occupant in passenger seat and detects electrical malfunction in Occupant Classification System (OCS) and transmits malfunction information to air bag control unit.

STRUCTURE

It is integrated into the seat sensor mat and detects the occupants and Occupant Classification System (OCS) control unit that classifies the occupants.

INSTALLATION

Occupant Classification System (OCS) control unit is installed in the passenger seat cushion.

DTC Logic

INFOID:000000006262905

SRC

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1022	OCCUPANT SENS C/U [COMM FAIL]	Trouble occurs in OCS-C/U, circuit of OCS-C/U-ACU or ACU	<ul style="list-style-type: none"> • Disconnection of wiring harness • Internal breakdown in occupant classification system control unit • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-32, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262906

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.Refer to [SR-53, "Removal and Installation"](#).

2. Perform DTCconfirmation procedure.Refer to [SRC-31, "DTC Logic"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace wiring harness.

4.CHECK OCCUPANT CLASSIFICATION SYSTEM (C/U)

1. Replace occupant classification system (C/U). (front passenger side seat cushion assembly.)

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1023 PASS A/B INDCTR CKT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1023 PASS A/B INDCTR CKT

Description

INFOID:000000006262907

DTC B1023 PASS A/B INDCTR CKT

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on front passenger air bag OFF indicator (Cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the air bag warning lamp reports the malfunction to driver and by the on board self-diagnosis system or electro-diagnosis tester CONSULT-III can detect the cause.

OPERATION

Turns on front passenger air bag OFF indicator (Cut-off telltale) when the passenger seat is empty or occupied by child-seat and child.

STRUCTURE

Front passenger air bag OFF indicator (Cut-off telltale) with LED illumination.

INSTALLATION

Front passenger air bag OFF indicator (Cut-off telltale) is installed at the instrument panel center.

DTC Logic

INFOID:000000006262908

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1023	PASS A/B INDCTR CKT [UNIT FAIL]	Cut-off telltale circuit is open or shorted to ground or the circuits are shorted each other	<ul style="list-style-type: none">• Disconnection of wiring harness• Internal breakdown in front passenger air bag cut-off indicator unit• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-34, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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SRC

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262909

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK PASSENGER AIR BAG OFF INDICATOR

1. Replace front passenger air bag OFF indicator (Cut-off telltale).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1025, B1032, B1048 OCS SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1025, B1032, B1048 OCS SENSOR

Description

INFOID:000000006262910

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or occupied with a child and child-seat. Also illuminates front passenger air bag OFF indicator lamp when the condition of passenger seat is occupied with a child-seat and child. In case of malfunction the blinking of the air bag warning lamp reports the malfunction to driver, and by the on board self-diagnosis system or CONSULT-III can detect the cause.

OPERATION

This unit classifies occupant in passenger seat and detects electrical malfunction in Occupant Detection System and transmits malfunction information to air bag control unit.

STRUCTURE

It is integrated into the seat sensor mat and detects the occupants and Occupant Detection System control unit that classifies the occupants.

INSTALLATION

Occupant Detection System control unit is installed in the passenger seat cushion.

DTC Logic

INFOID:000000006262911

DTC DETECTION LOGIC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1025 B1032 B1048	OCS SENSOR	Malfunction occurs in Occupant Detection System control unit, circuit of Occupant Detection System control unit-Air bag diagnosis sensor unit or Air bag diagnosis sensor unit	<ul style="list-style-type: none">• Disconnection of wiring harness• Internal breakdown in Occupant Detection System control unit• Malfunction in air bag diagnosis sensor unit

SRC

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

1. Turn ignition switch ON.
2. Perform "AIR BAG" Self Diagnostic Result CONSULT-III.

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-17, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000006262912

WARNING:

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

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

B1025, B1032, B1048 OCS SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-35, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

4.CHECK OCCUPANT DETECTION SYSTEM CONTROL UNIT

1. Replace seat cushion frame. Refer to [SE-90, "Exploded View"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-35, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006262913

DTC B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) to ensure proper operation.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006262914

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1026 B1027 B1028 B1029 B1030 B1031	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-38, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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SRC

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262915

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

B1033, B1034 CRASH ZONE SEN

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1033, B1034 CRASH ZONE SEN

Description

INFOID:000000006262916

DTC B1033, B1034 [UNIT FAIL] CRASH ZONE SENSOR

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

OPERATION

When air bag diagnosis sensor unit define the both signal voltage of the "G" sensor and the safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

DTC Logic

INFOID:000000006262917

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1033 B1034	CRASH ZONE SEN- SOR [UNIT FAIL]	Crash zone sensor is out of order	<ul style="list-style-type: none">• Disconnection of wiring harness• Internal breakdown in crash zone sensor• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-40, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1033, B1034 CRASH ZONE SEN

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

2.CHECK AIR BAG WARNING LAMP-

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262918

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK CRASH ZONE SENSOR

1. Replace crash zone sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1035, B1036, B1038, B1040 CRASH ZONE SEN

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1035, B1036, B1038, B1040 CRASH ZONE SEN

Description

INFOID:000000006262919

DTC B1035, B1036, B1038, B1040 [COMM FAIL] CRASH ZONE SENSOR

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

OPERATION

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

DTC Logic

INFOID:000000006262920

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1035	CRASH ZONE SENSOR [COMM FAIL]	Crash zone sensor is out of order.	<ul style="list-style-type: none">• Disconnection of wiring harness and open/short• Internal breakdown in crash zone sensor• Internal breakdown in air bag diagnosis sensor unit
B1036	[UNMATCH]		
B1038	[OPEN/UPR-VB-SHORT]		
B1040	[SHORT/UPR-GND-SHORT]		

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-42. "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1035, B1036, B1038, B1040 CRASH ZONE SEN

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262921

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK CRASH ZONE SENSOR

1. Replace crash zone sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

B1037, B1039, B1041 CRASH ZONE SENS1

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1037, B1039, B1041 CRASH ZONE SENS1

Description

INFOID:000000006262922

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

OPERATION

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which exceeds a specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belts.

STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

DTC Logic

INFOID:000000006262923

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1037 B1039 B1041	CRASH ZONE SENSOR1	Crash zone sensor is malfunctioning	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in crash zone sensor• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-17. "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000006262924

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace wiring harness.

B1037, B1039, B1041 CRASH ZONE SENS1

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

3. REPLACE CRASH ZONE SENSOR

1. Replace crash zone sensor. Refer to [SR-21, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-43, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-43, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.
NO >> INSPECTION END

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006262925

DTC B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both for frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006262926

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1042 B1043 B1044 B1045 B1046 B1047	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-46, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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SRC

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262927

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

B1049, B1054 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1049, B1054 DRIVER AIRBAG MODULE

Description

INFOID:000000006262928

DTC B1049, B1054 [OPEN] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000006262929

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module circuit is open (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and open• Internal breakdown in driver air bag module• Internal breakdown in spiral cable• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-48. "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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B1049, B1054 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262930

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed
M351	12 9		29 30	

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

Driver side air bag module harness connector	Terminal		Continuity
M350	10 11	Ground	Not existed
M351	12 9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-14, "Removal and Installation"](#).

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTCconfirmation procedure.Refer to [SRC-47, "DTC Logic"](#).

B1049, B1054 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace wiring harness.

5.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.

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B1050, B1055 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1050, B1055 DRIVER AIRBAG MODULE

Description

INFOID:000000006262931

DTC B1050, B1055 [VB-SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000006262932

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module circuit is shorted to some power supply circuit (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in driver air bag module• Internal breakdown in spiral cable• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

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

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1050, B1055 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262933

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10	M32	28	Existed
	11		30	
M351	12		29	
	9		30	

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

Driver side air bag module harness connector	Terminal		Continuity
M350	10	Ground	Not existed
	11		
M351	12		
	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-14, "Removal and Installation"](#).

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTCconfirmation procedure.Refer to [SRC-50, "DTC Logic"](#).

B1050, B1055 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace wiring harness.

5.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.

B1051, B1056 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1051, B1056 DRIVER AIRBAG MODULE

Description

INFOID:000000006262934

DTC B1051, B1056 [GND-SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000006262935

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1051 B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in driver air bag module• Internal breakdown in spiral cable• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-54. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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B1051, B1056 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262936

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed
M351	12 9		29 30	

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

Driver side air bag module harness connector	Terminal		Continuity
M350	10 11	Ground	Not existed
M351	12 9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-14, "Removal and Installation"](#).

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTCconfirmation procedure.Refer to [SRC-53, "DTC Logic"](#).

B1051, B1056 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace wiring harness.

5.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.

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B1052, B1057 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1052, B1057 DRIVER AIRBAG MODULE

Description

INFOID:000000006262937

DTC B1052, B1057 [SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000006262938

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in driver air bag module• Internal breakdown in spiral cable• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

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

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1052, B1057 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262939

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed
M351	12 9		29 30	

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

Driver side air bag module harness connector	Terminal		Continuity
M350	10 11	Ground	Not existed
M351	12 9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-14, "Removal and Installation"](#).

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-56, "DTC Logic"](#).

B1052, B1057 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace wiring harness.

5.CHECK DRIVER AIR BAG MODULE

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006262940

DTC B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006262941

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1058 B1059 B1060 B1061 B1062 B1063	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-60, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262942

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

B1065, B1070 ASSIST A/B MODULE

Description

INFOID:000000006262943

DTC B 1065, B1070 [OPEN] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main “G” sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000006262944

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1065 B1070	ASSIST A/B MODULE [OPEN]	Front passenger air bag module circuit is open	<ul style="list-style-type: none"> • Disconnection of wiring harness and open • Internal breakdown in front passenger air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-62, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262945

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTCconfirmation procedure.Refer to [SRC-61, "DTC Logic"](#).

Is the inspection result normal?

- YES >> GO TO 4.
- NO >> Repair or replace wiring harness.

4.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1066, B1071 ASSIST A/B MODULE

Description

INFOID:000000006262946

DTC B1066, B1071 [VB-SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000006262947

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Front passenger air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front passenger air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-64, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262948

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTCconfirmation procedure.Refer to [SRC-63, "DTC Logic"](#).

Is the inspection result normal?

- YES >> GO TO 4.
NO >> Repair or replace wiring harness.

4.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1067, B1072 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1067, B1072 ASSIST A/B MODULE

Description

INFOID:000000006262949

DTC B1067, B1072 [GND-SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000006262950

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Front passenger air bag module circuit is shorted to ground	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in front passenger air bag module• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

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SRC

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262951

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTCconfirmation procedure.Refer to [SRC-65, "DTC Logic"](#).

Is the inspection result normal?

- YES >> GO TO 4.
NO >> Repair or replace wiring harness.

4.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1068, B1073 ASSIST A/B MODULE

Description

INFOID:000000006262952

DTC B1068, B1073 [SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main “G” sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000006262953

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1068 B1073	ASSIST A/B MODULE [SHORT]	Front passenger air bag module circuits are shorted to each other	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front passenger air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-68, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262954

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTCconfirmation procedure.Refer to [SRC-67, "DTC Logic"](#).

Is the inspection result normal?

- YES >> GO TO 4.
NO >> Repair or replace wiring harness.

4.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006262955

DTC B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006262956

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1074 B1075 B1076 B1077 B1078 B1079	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-70, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262957

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

B1080, B1096 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1080, B1096 DRIVER AIRBAG MODULE

Description

INFOID:000000006262958

For driver air bag module, crash is judged by main "G" sensor output signal and safing algorithm in front direction.

OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator that inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000006262959

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in driver air bag module• Malfunction in spiral cable• Malfunction in air bag diagnosis sensor unit

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DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-17, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-71, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006262960

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

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B1080, B1096 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> Replace wiring harness.

3. CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver air bag module harness connector and Combination switch (Spiral cable) harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M302	10	M32	28	Existed
	11		30	
M301	12		29	
	9		30	

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

Driver side air bag module harness connector	Terminal		Continuity
M302	10	Ground	Not existed
	11		
M301	12		
	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-14, "Exploded View"](#).

4. REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-11, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-71, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-71, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1081 PRE-TEN FRONT RH

Description

INFOID:000000006262961

DTC B1081 [OPEN] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main “G” sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006262962

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1081	PRE-TEN FRONT RH [OPEN]	Front RH seat belt pre-tensioner circuit is open	<ul style="list-style-type: none"> • Disconnection of wiring harness and open • Internal breakdown in front RH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-74. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

< DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262963

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1082 PRE-TEN FRONT RH

Description

INFOID:000000006262964

DTC B1082 [VB-SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006262965

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1082	PRE-TEN FRONT RH [VB-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front RH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-76. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

< DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262966

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1083 PRE-TEN FRONT RH

Description

INFOID:000000006262967

DTC B1083 [GND-SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main “G” sensor output signal and Safing algorithm in front direction.

OPERATION

In case of frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006262968

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1083	PRE-TEN FRONT RH [GND-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to ground	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front RH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-78. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

< DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262969

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1084 PRE-TEN FRONT RH

Description

INFOID:000000006262970

DTC B1084 [SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main “G” sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006262971

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1084	PRE-TEN FRONT RH [SHORT]	Front RH seat belt pre-tensioner circuit are shorted to each other	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front RH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-80. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

< DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262972

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1086 PRE-TEN FRONT LH

Description

INFOID:000000006262973

DTC B1086 [OPEN] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006262974

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1086	PRE-TEN FRONT LH [OPEN]	Front LH seat belt pre-tensioner circuit is open	<ul style="list-style-type: none"> • Disconnection of wiring harness and open • Internal breakdown in front LH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-82. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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< DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262975

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1087 PRE-TEN FRONT LH

Description

INFOID:000000006262976

DTC B1087 [VB-SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main “G” sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006262977

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1087	PRE-TEN FRONT LH [VB-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front LH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-84. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

< DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262978

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1088 PRE-TEN FRONT LH

Description

INFOID:000000006262979

DTC B1088 [GND-SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006262980

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1088	PRE-TEN FRONT LH [GND-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to ground	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front LH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to SRC-86. "Diagnosis Procedure".
- NO >> INSPECTION END.

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

< DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262981

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1089 PRE-TEN FRONT LH

Description

INFOID:000000006262982

DTC B1089 [SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main “G” sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006262983

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1089	PRE-TEN FRONT LH [SHORT]	Front LH seat belt pre-tensioner circuit are shorted to each other	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front LH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-88. "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

< DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262984

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006262985

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006262986

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1090 B1091 B1092 B1093	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none">Malfunction in air bag diagnosis sensor unitConfiguration in air bag diagnosis sensor unit does not match the vehicle specification

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DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-17, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-89, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006262987

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

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B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-89. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006262988

DTC B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006262989

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1106 B1107 B1108 B1109 B1110 B1111	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-92, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262990

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

B1113, B1114 SATELLITE SENS RH

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1113, B1114 SATELLITE SENS RH

Description

INFOID:000000006262991

DTC B1113, B1114 [UNIT FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When air bag diagnosis sensor unit define the both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the side air bag and curtain air bag.

STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006262992

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	RH satellite sensor is out of order	<ul style="list-style-type: none">• Disconnection of wiring harness• Internal breakdown in RH satellite sensor• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-94, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

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B1113, B1114 SATELLITE SENS RH

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262993

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace RH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1115, B1116 SATELLITE SENS RH

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1115, B1116 SATELLITE SENS RH

Description

INFOID:000000006262994

DTC B1115, B1116 [COMM FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006262995

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1115 B1116	SATELLITE SENS RH [COMM FAIL] [UNMATCH]	RH satellite sensor is out of order	<ul style="list-style-type: none">• Disconnection of wiring harness• Internal breakdown in RH satellite sensor• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-96, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

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B1115, B1116 SATELLITE SENS RH

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262996

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace RH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1118, B1119 SATELLITE SENS LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1118, B1119 SATELLITE SENS LH

Description

INFOID:000000006262997

DTC B1118, B1119 [UNIT FAIL] SATELLITE SENS LH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006262998

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	LH satellite sensor is out of order	<ul style="list-style-type: none">• Disconnection of wiring harness• Internal breakdown in LH satellite sensor• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-98, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

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SRC

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006262999

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace LH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1120, B1121 SATELLITE SENS LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1120, B1121 SATELLITE SENS LH

Description

INFOID:000000006263000

DTC B1120, B1121 [COMM FAIL] SATELLITE SENS LH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263001

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1120 B1121	SATELLITE SENS LH [COMM FAIL] [UNMATCH]	LH satellite sensor is out of order	<ul style="list-style-type: none">• Disconnection of wiring harness• Internal breakdown in LH satellite sensor• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-100, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

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SRC

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263002

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace LH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263003

DTC B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263004

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1122 B1123 B1124 B1125 B1126 B1127	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-102. "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

A
B
C
D
E
F
G
I
J
K
L
M
N
O
P

SRC

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263005

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1129 SIDE MODULE RH

Description

INFOID:000000006263006

DTC B1129 [OPEN] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seat back with fixed nuts.

DTC Logic

INFOID:000000006263007

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1129	SIDE MODULE RH [OPEN]	Front RH side air bag module circuit is open	<ul style="list-style-type: none"> • Disconnection of wiring harness and open • Internal breakdown in front RH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-104, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?YES >> Refer to warning lamp flash code chart.[SRC-159](#).NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263008

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).2. Perform DTC confirmation procedure. Refer to [SRC-103, "DTC Logic"](#).Is DTC detected?

YES >> GO TO 4.

NO >> **INSPECTION END****4.CHECK FRONT SIDE AIR BAG MODULE**

1. Replace front RH side air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1130 SIDE MODULE RH

Description

INFOID:000000006263009

DTC B1130 [VB-SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side: LH satellite sensor, right side: RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263010

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1130	SIDE MODULE RH [VB-SHORT]	Front RH side air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front RH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-106, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
 NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263011

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
 NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
 NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-105, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
 NO >> **INSPECTION END**

4.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
 NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1131 SIDE MODULE RH

Description

INFOID:000000006263012

DTC B1131 [GND-SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263013

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1131	SIDE MODULE RH [GND-SHORT]	Front RH side air bag module circuit is shorted to ground	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front RH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-108, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?YES >> Refer to warning lamp flash code chart.[SRC-159](#).NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263014

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).2. Perform DTC confirmation procedure. Refer to [SRC-107, "DTC Logic"](#).Is DTC detected?

YES >> GO TO 4.

NO >> **INSPECTION END****4.CHECK FRONT SIDE AIR BAG MODULE**

1. Replace front RH side air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1132 SIDE MODULE RH

Description

INFOID:000000006263015

DTC B1132 [SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263016

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1132	SIDE MODULE RH [SHORT]	Front RH side air bag module circuit are shorted to each other	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front RH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-110, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
 NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263017

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
 NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
 NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-109, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
 NO >> **INSPECTION END**

4.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
 NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1134 SIDE MODULE LH

Description

INFOID:000000006263018

DTC B1134 [OPEN] SIDE MODULE LH

For front LH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263019

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1134	SIDE MODULE LH [OPEN]	Front LH side air bag module circuit is open	<ul style="list-style-type: none"> • Disconnection of wiring harness and open • Internal breakdown in front LH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-112, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?YES >> Refer to warning lamp flash code chart.[SRC-159](#).NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263020

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).2. Perform DTC confirmation procedure. Refer to [SRC-111, "DTC Logic"](#).Is DTC detected?

YES >> GO TO 4.

NO >> **INSPECTION END****4.CHECK FRONT SIDE AIR BAG MODULE**

1. Replace front LH side air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1135 SIDE MODULE LH

Description

INFOID:000000006263021

DTC B1135 [VB-SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263022

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1135	SIDE MODULE LH [VB-SHORT]	Front LH side air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front LH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-114, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?YES >> Refer to warning lamp flash code chart.[SRC-159](#).NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263023

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).2. Perform DTC confirmation procedure. Refer to [SRC-113, "DTC Logic"](#).Is DTC detected?

YES >> GO TO 4.

NO >> **INSPECTION END****4.CHECK FRONT SIDE AIR BAG MODULE**

1. Replace front LH side air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1136 SIDE MODULE LH

Description

INFOID:000000006263024

DTC B1136 [GND-SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263025

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1136	SIDE MODULE LH [GND-SHORT]	Front LH side air bag module circuit is shorted to ground	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front LH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-116, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?YES >> Refer to warning lamp flash code chart.[SRC-159](#).NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263026

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).2. Perform DTC confirmation procedure. Refer to [SRC-115, "DTC Logic"](#).Is DTC detected?

YES >> GO TO 4.

NO >> **INSPECTION END****4.CHECK FRONT SIDE AIR BAG MODULE**

1. Replace front LH side air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1137 SIDE MODULE LH

Description

INFOID:000000006263027

DTC B1137 [SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263028

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1137	SIDE MODULE LH [SHORT]	Front LH side air bag module circuit are shorted to each other	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front LH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-118, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?YES >> Refer to warning lamp flash code chart.[SRC-159](#).NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263029

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use un specified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).2. Perform DTC confirmation procedure. Refer to [SRC-117, "DTC Logic"](#).Is DTC detected?

YES >> GO TO 4.

NO >> **INSPECTION END****4.CHECK FRONT SIDE AIR BAG MODULE**

1. Replace front LH side air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?YES >> **INSPECTION END.**NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263030

DTC B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263031

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1138 B1139 B1140 B1141 B1142 B1143	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-120, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263032

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

B1144 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1144 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263033

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263034

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1144	Diagnosis sensor unit	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none">Malfunction in air bag diagnosis sensor unitConfiguration in air bag diagnosis sensor unit does not match the vehicle specification

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-17, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-121, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263035

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1144 DIAGNOSIS SENSOR UNIT

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-121. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1145 CURTAIN MODULE RH

Description

INFOID:000000006263036

DTC B1145 [OPEN] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263037

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")



DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1145	CURTAIN MODULE RH [OPEN]	RH side curtain air bag module circuit is open	<ul style="list-style-type: none"> • Disconnection of wiring harness and open • Internal breakdown in RH side curtain air bag module • Replace air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-124, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263038

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-123, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1146 CURTAIN MODULE RH

Description

INFOID:000000006263039

DTC B1146 [VB-SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263040

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1146	CURTAIN MODULE RH [VB-SHORT]	RH side curtain air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in RH side curtain air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-126, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263041

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-125, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
- NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1147 CURTAIN MODULE RH

Description

INFOID:000000006263042

DTC B1147 [GND-SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263043

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

SRC

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1147	CURTAIN MODULE RH [GND-SHORT]	RH side curtain air bag module circuit is shorted to ground	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in RH side curtain air bag module • Replace air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-128, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-159](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263044

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-127, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
- NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1148 CURTAIN MODULE RH

Description

INFOID:000000006263045

DTC B1148 [SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263046

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1148	CURTAIN MODULE RH [SHORT]	RH side curtain air bag module circuit are shorted to each other	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in RH side curtain air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-130, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

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SRC

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-159](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263047

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-129, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

B1150 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1150 CURTAIN MODULE LH

Description

INFOID:000000006263048

DTC B1150 [OPEN] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263049

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1150	CURTAIN MODULE LH [OPEN]	LH side curtain air bag module circuit is open	<ul style="list-style-type: none">• Disconnection of wiring harness and open• Internal breakdown in LH side curtain air bag module• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-132, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

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< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263050

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-131, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1151 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1151 CURTAIN MODULE LH

Description

INFOID:000000006263051

DTC B1151 [VB-SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263052

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1151	CURTAIN MODULE LH [VB-SHORT]	LH side curtain air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in LH side curtain air bag module• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-134, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

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< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263053

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-133, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1152 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1152 CURTAIN MODULE LH

Description

INFOID:000000006263054

DTC B1152 [GND-SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263055

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1152	CURTAIN MODULE LH [GND-SHORT]	LH side curtain air bag module circuit is shorted to ground	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in LH side curtain airbag module• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-136, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263056

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-135, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1153 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1153 CURTAIN MODULE LH

Description

INFOID:000000006263057

DTC B1153 [SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (left and right GP in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263058

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1153	CURTAIN MODULE LH [SHORT]	LH side curtain air bag module circuit are shorted to each other	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in LH side curtain air bag module• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-138, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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SRC

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263059

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-137, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

B1154, B1155, B1156, B1157 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1154, B1155, B1156, B1157 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263060

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263061

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1154 B1155 B1156 B1157	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none">Malfunction in air bag diagnosis sensor unitConfiguration in air bag diagnosis sensor unit does not match the vehicle specification

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-17, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-139, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263062

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1154, B1155, B1156, B1157 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-139. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1170, B1171, B1172, B1173 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1170, B1171, B1172, B1173 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263063

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263064

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1170 B1171 B1172 B1173	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none">Malfunction in air bag diagnosis sensor unitConfiguration in air bag diagnosis sensor unit does not match the vehicle specification

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DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-17, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-141, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263065

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

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B1170, B1171, B1172, B1173 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-141. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1186, B1187, B1188, B1189 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1186, B1187, B1188, B1189 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263066

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263067

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1186 B1187 B1188 B1189	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none">Malfunction in air bag diagnosis sensor unitConfiguration in air bag diagnosis sensor unit does not match the vehicle specification

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-17, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-143, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263068

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1186, B1187, B1188, B1189 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-143, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263069

DTC B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263070

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1202 B1203 B1204 B1205 B1206 B1207	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-146, "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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>> GO TO 2.

2. CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-159](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263071

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

B1209 FRONTAL COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1209 FRONTAL COLLISION DETECTION

Description

INFOID:000000006263072

DTC B1209 FRONTAL COLLISION DETECTION

When detect a component damage resulting from a front collision, blinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

OPERATION

The air bags and seat belt pre-tensioners for driver and front passenger are operated by the decision of the air bag diagnosis sensor unit out signal transmitted because of the frontal collision.

STRUCTURE

It consists of crash zone sensor, air bag diagnosis sensor unit, air bags and seat belt pre-tensioners for driver and front passenger.

INSTALLATION

Refer to [SR-21, "Removal and Installation"](#), [SR-25, "Removal and Installation"](#), [SR-27, "Removal and Installation"](#), [SR-11, "Removal and Installation"](#), [SR-17, "Removal and Installation"](#).

DTC Logic

INFOID:000000006263073

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1209	FRONTAL COLLISION DETECTION	Front seat belt pre-tensioner, front air bag is deployed	—

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-147, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263074

WARNING:

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

1.PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis.Refer to [SR-5, "FOR FRONTAL COLLISION : When SRS is activated in a collision"](#) or [SR-6, "FOR FRONTAL COLLISION : When SRS is not activated in a collision"](#).

Is collision diagnosis complete?

- YES >> GO TO 2.

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B1209 FRONTAL COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> INSPECTION END

2.FINAL INSPECTION

Perform "AIR BAG" Self Diagnostic Result.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Perform diagnosis of applicable DTC.Refer to [SRC-159, "DTC Index"](#).

B1210 SIDE COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1210 SIDE COLLISION DETECTION

Description

INFOID:000000006263075

DTC B1210 SIDE COLLISION DETECTION

When detect a component damage resulting from a side collision, brinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

OPERATION

The front side air bag and side curtain air bag are operated by the decision of the air bag diagnosis sensor unit signal of the side collision.

STRUCTURE

It consists of satellite sensor, air bag diagnosis sensor unit, front side air bag and side curtain air bag.

INSTALLATION

Refer to [SR-23. "Removal and Installation"](#), [SR-25. "Removal and Installation"](#), [SR-19. "Removal and Installation"](#).

DTC Logic

INFOID:000000006263076

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1210	SIDE COLLISION DETECTION	Front side air bag, side curtain air bag is deployed	—

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-149. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263077

WARNING:

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

1.PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis.Refer to [SR-7. "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision"](#) or [SR-8. "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision"](#).

Is collision diagnosis complete?

YES >> GO TO 2.

NO >> **INSPECTION END**

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B1210 SIDE COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

2. FINAL INSPECTION

Perform "AIR BAG" Self Diagnostic Result.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Perform diagnosis of applicable DTC. Refer to [SRC-159, "DTC Index"](#).

B1211 ROLLOVER DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1211 ROLLOVER DETECTION

Description

INFOID:000000006263078

DTC B1211 ROLLOVER DETECTION

When detect a component damage resulting from a rollover, brinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

OPERATION

The front seat belt pre-tensioner and side curtain air bag are operated by the decision of the air bag diagnosis sensor unit signal of the rollover.

STRUCTURE

It consists of front seat belt pre-tensioner, side curtain air bag and air bag diagnosis sensor unit.

INSTALLATION

Refer to [SR-27. "Removal and Installation"](#), [SR-19. "Removal and Installation"](#) and [SR-25. "Removal and Installation"](#).

DTC Logic

INFOID:000000006263079

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1211	ROLLOVER DETECTION	Front seat belt pre-tensioner. side curtain air bag module are deployed because of rollover detection	—

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-151. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263080

WARNING:

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

1.PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis.Refer to [SR-7. "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision"](#) or [SR-8. "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision"](#).

Is collision diagnosis complete?

YES >> GO TO 2.

NO >> INSPECTION END

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B1211 ROLLOVER DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

2.FINAL INSPECTION

Perform "AIR BAG" Self Diagnostic Result.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Perform diagnosis of applicable DTC.Refer to [SRC-159, "DTC Index"](#).

B1212, B1213, B1214 RH1 SAT-SENS

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1212, B1213, B1214 RH1 SAT-SENS

Description

INFOID:000000006263081

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When air bag diagnosis sensor unit judges both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263082

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1212 B1213 B1214	RH1 SAT-SENS	RH satellite sensor is malfunctioning	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in RH satellite sensor• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-17. "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-153. "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263083

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace wiring harness.

B1212, B1213, B1214 RH1 SAT-SENS

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

3. REPLACE SATELLITE SENSOR

1. Replace RH satellite sensor. Refer to [SR-23. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-153. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-153. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.
NO >> INSPECTION END

B1215, B1216, B1217 LH1 SAT-SENS

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1215, B1216, B1217 LH1 SAT-SENS

Description

INFOID:000000006263084

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When air bag diagnosis sensor unit judges both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263085

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1215 B1216 B1217	LH1 SAT-SENS	LH satellite sensor is malfunctioning	<ul style="list-style-type: none"> • Disconnection of wiring harness • Malfunction in LH satellite sensor • Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-17. "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-155. "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263086

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
 NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
 NO >> Replace wiring harness.

B1215, B1216, B1217 LH1 SAT-SENS

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

3. REPLACE SATELLITE SENSOR

1. Replace LH satellite sensor. Refer to [SR-23. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-155. "DTC Logic"](#)

Is DTC detected?

- YES >> GO TO 4.
NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-155. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.
NO >> INSPECTION END

B1218, B1219 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1218, B1219 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263087

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263088

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1218 B1219	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none">Malfunction in air bag diagnosis sensor unitConfiguration in air bag diagnosis sensor unit does not match the vehicle specification

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DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-17, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-157, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263089

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

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B1218, B1219 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-157. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:000000006263090

DTC No. Index (With CONSULT-III)

("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

NOTE:

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

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
NO DTC IS DETECTED.	Malfunction is indicated by the "AIR BAG" warning lamp in User mode. <ul style="list-style-type: none"> Low battery voltage (Less than 9 V) Self-diagnosis result "SELF-DIAG [PAST]" (previously stored in the memory) might not be erased after repair. Intermittent malfunction has been detected in the past. 	Go to SRC-17, "Diagnosis Description" .
	<ul style="list-style-type: none"> No malfunction is detected. 	—
CONTROL UNIT [B1001-B1015]	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is out of order or mis-match 	Replace air bag diagnosis sensor unit
OCCUPANT SENS C/U [UNIT FAIL] [B1017] [B1020] [B1021]	<ul style="list-style-type: none"> Trouble occurs in OCS-C/U 	1. Repair or replace wiring harness/harness connector 2. Replace front passenger seat cushion and occupant classification system (C/U) as an assembly
OCCUPANT SENS [UNIT FAIL] [B1018]	<ul style="list-style-type: none"> Trouble occurs in OCS-SENSOR 	1. Repair or replace wiring harness/harness connector 2. Replace front passenger seat cushion and occupant classification system (C/U) as an assembly
OCCUPANT SENS C/U [COMM FAIL] [B1022]	<ul style="list-style-type: none"> Trouble occurs in OCS-C/U, circuit of OCS-C/U~Air bag diagnosis sensor unit, or Air bag diagnosis sensor unit 	1. Repair or replace wiring harness/harness connector 2. Replace front passenger seat cushion and occupant classification system (C/U) as an assembly 3. Replace air bag diagnosis sensor unit
PASS A/B INDCTR CKT [B1023]	<ul style="list-style-type: none"> Cut-off telltale circuit is open or shorted to ground or the circuits are shorted each other 	1. Repair or replace wiring harness/harness connector 2. Replace front passenger air bag OFF indicator 3. Replace air bag diagnosis sensor unit
OCS SENSOR [B1025] [B1032] [B1048]	Malfunction occurs in Occupant Detection System control unit, circuit of Occupant Detection System control unit air bag diagnosis sensor unit, or air bag diagnosis sensor unit	1. Repair or replace wiring harness/harness connector 2. Replace front passenger seat cushion and occupant classification system (C/U) as an assembly 3. Replace air bag diagnosis sensor unit
CONTROL UNIT [B1026-B1031]	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is out of order or mis-match 	Replace air bag diagnosis sensor unit

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
CRASH ZONE SEN [UNIT FAIL] [B1033] [B1034] CRASH ZONE SEN [COMM FAIL] [B1035] [UNMATCH] [B1036] [OPEN/UPR-VB-SHORT] [B1038] [SHORT/UPR-GND-SHORT] [B1040]	<ul style="list-style-type: none"> Crash zone sensor is out of order 	1. Repair or replace wiring harness/harness connector 2. Replace crash zone sensor 3. Replace air bag diagnosis sensor unit
CRASH ZONE SEN1 [B1037] [B1039] [B1041]	Crash zone sensor is malfunctioning	1. Repair or replace wiring harness/harness connector 2. Replace crash zone sensor 3. Replace air bag diagnosis sensor unit
CONTROL UNIT [B1042-B1047]	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is out of order or mis-match 	Replace air bag diagnosis sensor unit
DRIVER AIRBAG MODULE [OPEN] [B1049] [B1054]	<ul style="list-style-type: none"> Driver air bag module circuit is open (including the spiral cable) 	1. Repair or replace wiring harness/harness connector 2. Replace driver air bag module 3. Replace spiral cable. Refer to SRC-48. "Diagnosis Procedure" 4. Replace air bag diagnosis sensor unit
DRIVER AIRBAG MODULE [VB-SHORT] [B1050] [B1055]	<ul style="list-style-type: none"> Driver air bag module circuit is shorted to some power supply circuit (including the spiral cable) 	4. Replace air bag diagnosis sensor unit
DRIVER AIRBAG MODULE [GND-SHORT] [B1051] [B1056]	<ul style="list-style-type: none"> Driver air bag module circuit is shorted to ground (including the spiral cable) 	
DRIVER AIRBAG MODULE [SHORT] [B1052] [B1057]	<ul style="list-style-type: none"> Driver air bag module circuits are shorted to each other (including spiral cable) 	
CONTROL UNIT [B1058-B1063]	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is out of order or mis-match 	Replace air bag diagnosis sensor unit
ASSIST A/B MODULE [OPEN] [B1065] [B1070]	<ul style="list-style-type: none"> Front passenger air bag module circuit is open 	1. Repair or replace wiring harness/harness connector 2. Replace front passenger air bag module 3. Replace air bag diagnosis sensor unit
ASSIST A/B MODULE [VB-SHORT] [B1066] [B1071]	<ul style="list-style-type: none"> Front passenger air bag module circuit is shorted to some power supply circuit 	3. Replace air bag diagnosis sensor unit
ASSIST A/B MODULE [GND-SHORT] [B1067] [B1072]	<ul style="list-style-type: none"> Front passenger air bag module circuit is shorted to ground 	
ASSIST A/B MODULE [SHORT] [B1068] [B1073]	<ul style="list-style-type: none"> Front passenger air bag module circuits are shorted to each other 	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	A
CONTROL UNIT [B1074-B1079]	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is out of order or mis-match 	Replace air bag diagnosis sensor unit	A
DRIVER AIRBAG MODULE [SHORT] [B1080] [B1096]	Driver air bag module circuits are shorted to each other (including spiral cable)	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace driver air bag module Replace spiral cable. Refer to SRC-71, "Diagnosis Procedure" Replace air bag diagnosis sensor unit 	B C D
PRE-TEN FRONT RH [OPEN] [B1081]	<ul style="list-style-type: none"> Front RH seat belt pre-tensioner circuit is open 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace front RH seat belt pre-tensioner Replace air bag diagnosis sensor unit 	E
PRE-TEN FRONT RH [VB-SHORT] [B1082]	<ul style="list-style-type: none"> Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit 	<ol style="list-style-type: none"> Replace air bag diagnosis sensor unit 	F
PRE-TEN FRONT RH [GND-SHORT] [B1083]	<ul style="list-style-type: none"> Front RH seat belt pre-tensioner circuit is shorted to ground 		G
PRE-TEN FRONT RH [SHORT] [B1084]	<ul style="list-style-type: none"> Front RH seat belt pre-tensioner circuits are shorted to each other 		G
PRE-TEN FRONT LH [OPEN] [B1086]	<ul style="list-style-type: none"> Front LH seat belt pre-tensioner circuit is open 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace front LH seat belt pre-tensioner Replace air bag diagnosis sensor unit 	I J K
PRE-TEN FRONT LH [VB-SHORT] [B1087]	<ul style="list-style-type: none"> Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit 	<ol style="list-style-type: none"> Replace air bag diagnosis sensor unit 	I
PRE-TEN FRONT LH [GND-SHORT] [B1088]	<ul style="list-style-type: none"> Front LH seat belt pre-tensioner circuit is shorted to ground 		J
PRE-TEN FRONT LH [SHORT] [B1089]	<ul style="list-style-type: none"> Front LH seat belt pre-tensioner circuits are shorted to each other 		K
CONTROL UNIT [B1090-B1093]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit	L
CONTROL UNIT [B1106-B1111]	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is out of order or mis-match 	Replace air bag diagnosis sensor unit	M
SATELLITE SENS RH [UNIT FAIL] [B1113] [B1114] SATELLITE SENS RH [COMM FAIL] [B1115] [UNMATCH] [B1116]	<ul style="list-style-type: none"> RH satellite sensor is out of order 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace RH satellite sensor Replace air bag diagnosis sensor unit 	N O
SATELLITE SENS LH [UNIT FAIL] [B1118] [B1119] SATELLITE SENS LH [COMM FAIL] [B1120] [UNMATCH] [B1121]	<ul style="list-style-type: none"> LH satellite sensor unit is out of order 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace LH satellite sensor Replace air bag diagnosis sensor unit 	P

SRC

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
CONTROL UNIT [B1122-B1127]	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is out of order or mis-match 	Replace air bag diagnosis sensor unit
SIDE MODULE RH [OPEN] [B1129]	<ul style="list-style-type: none"> Front RH side air bag module circuit is open 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace front RH side air bag module Replace air bag diagnosis sensor unit
SIDE MODULE RH [VB-SHORT] [B1130]	<ul style="list-style-type: none"> Front RH side air bag module circuit is shorted to some power supply circuit 	
SIDE MODULE RH [GND-SHORT] [B1131]	<ul style="list-style-type: none"> Front RH side air bag module circuit is shorted to ground 	
SIDE MODULE RH [SHORT] [B1132]	<ul style="list-style-type: none"> Front RH side air bag module circuits are shorted to each other 	
SIDE MODULE LH [OPEN] [B1134]	<ul style="list-style-type: none"> Front LH side air bag module circuit is open 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace front LH side air bag module Replace air bag diagnosis sensor unit
SIDE MODULE LH [VB-SHORT] [B1135]	<ul style="list-style-type: none"> Front LH side air bag module circuit is shorted to some power supply circuit 	
SIDE MODULE LH [GND-SHORT] [B1136]	<ul style="list-style-type: none"> Front LH side air bag module circuit is shorted to ground 	
SIDE MODULE LH [SHORT] [B1137]	<ul style="list-style-type: none"> Front LH side air bag module circuits are shorted to each other 	
CONTROL UNIT [B1138-B1143]	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is out of order or mis-match 	Replace air bag diagnosis sensor unit
CONTROL UNIT [B1144]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit
CURTAIN MODULE RH [OPEN] [B1145]	<ul style="list-style-type: none"> RH side curtain air bag module circuit is open 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace RH side curtain air bag module Replace air bag diagnosis sensor unit
CURTAIN MODULE RH [VB-SHORT] [B1146]	<ul style="list-style-type: none"> RH side curtain air bag module circuit is shorted to some power supply circuit 	
CURTAIN MODULE RH [GND-SHORT] [B1147]	<ul style="list-style-type: none"> RH side curtain air bag module circuit is shorted to ground 	
CURTAIN MODULE RH [SHORT] [B1148]	<ul style="list-style-type: none"> RH side curtain air bag module circuits are shorted to each other 	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	A
CURTAIN MODULE LH [OPEN] [B1150]	<ul style="list-style-type: none"> LH side curtain air bag module circuit is open 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace LH side curtain air bag module Replace air bag diagnosis sensor unit 	B
CURTAIN MODULE LH [VB-SHORT] [B1151]	<ul style="list-style-type: none"> LH side curtain air bag module circuit is shorted to some power supply circuits 		C
CURTAIN MODULE LH [GND-SHORT] [B1152]	<ul style="list-style-type: none"> LH side curtain air bag module circuit is shorted to ground 		D
CURTAIN MODULE LH [SHORT] [B1153]	<ul style="list-style-type: none"> LH side curtain air bag module circuits are shorted to each other 		E
CONTROL UNIT [B1154-B1157]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit	F
CONTROL UNIT [B1170-B1173]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit	G
CONTROL UNIT [B1186-B1189]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit	G
CONTROL UNIT [B1202-B1207]	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is out of order or mis-match 	Replace air bag diagnosis sensor unit	SRC
FRONTAL COLLISION DETECTION [B1209]	<ul style="list-style-type: none"> Front seat belt pre-tensioner and front air bag module is deployed 	Go to SRC-147, "Diagnosis Procedure"	I
SIDE COLLISION DE- TECTION [B1210]	<ul style="list-style-type: none"> Front side air bag module and side curtain air bag module is deployed 	Go to SRC-149, "Diagnosis Procedure"	J
ROLLOVER DETECTION [B1211]	<ul style="list-style-type: none"> Front seat belt pre-tensioner, side curtain air bag module are deployed because of rollover detection 	Go to SRC-151, "Diagnosis Procedure"	K
RH1 SAT-SENS [B1212] [B1213] [B1214]	RH satellite sensor is malfunctioning	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace RH satellite sensor Replace air bag diagnosis sensor unit 	L
LH1 SAT-SENS [B1215] [B1216] [B1217]	LH satellite sensor is malfunctioning	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace LH satellite sensor Replace air bag diagnosis sensor unit 	M
CONTROL UNIT [B1218] [B1219]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit	N
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WARNING LAMP FLASH CODE CHART (Without CONSULT-III)

NOTE:

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. 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
<p>a through b are repeated.</p> <p>IGN ON</p>	<ol style="list-style-type: none"> 1. Erase memory. (Once key switch is turned from OFF to ON, TROUBLE DIAG RECORD will be erased.)

PHIA0532E

<Air bag diagnosis sensor unit>

Flash pattern	Repair order
<p>a through d are repeated.</p> <p>d: Seven flashes indicate malfunctioning air bag diagnosis sensor unit circuit.</p>	<ol style="list-style-type: none"> 1. Replace the air bag diagnosis sensor unit.

JMHIA0523GB

<Occupant classification system control unit>

Flash pattern	Repair order
<p>a through d are repeated.</p> <p>d: Five flashes indicate malfunctioning occupant classification system control unit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front passenger seat cushion and occupant classification system control unit as an assembly. 4. Replace the air bag diagnosis sensor unit.

JMHIA0524GB

<Front passenger air bag OFF indicator>

Flash pattern	Repair order
<p>a through d are repeated.</p> <p>d: Eleven flashes indicate malfunctioning front passenger air bag OFF indicator.</p>	<ol style="list-style-type: none"> 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.

JMHIA0525GB

<Crash zone sensor>

Flash pattern	Repair order
<p>a through d are repeated.</p> <p>d: Six flashes indicate malfunctioning crash zone sensor circuit.</p>	<ol style="list-style-type: none"> 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.

JMHIA0526GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

<Driver air bag module>	
<p>Flash pattern</p> <p>a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuit.</p>	<p>Repair order</p> <ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the driver air bag module. 4. Replace the spiral cable. 5. Replace the air bag diagnosis sensor unit.
JMHA0527GB	
<Front passenger air bag module>	
<p>Flash pattern</p> <p>a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</p>	<p>Repair order</p> <ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front passenger air bag module. 4. Replace the air bag diagnosis sensor unit.
JMHA0528GB	
<Front RH seat belt pre-tensioner>	
<p>Flash pattern</p> <p>a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p>	<p>Repair order</p> <ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front RH seat belt assembly. 4. Replace the air bag diagnosis sensor unit.
JMHA0529GB	
<Front LH seat belt pre-tensioner>	
<p>Flash pattern</p> <p>a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p>	<p>Repair order</p> <ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front LH seat belt assembly. 4. Replace the air bag diagnosis sensor unit.
JMHA0530GB	
<RH satellite sensor>	
<p>Flash pattern</p> <p>a through f are repeated. f: Three flashes indicate malfunctioning RH satellite sensor circuit.</p>	<p>Repair order</p> <ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH satellite sensor. 4. Replace the air bag diagnosis sensor unit.
JMHA0531GB	

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

Flash pattern	Repair order
<p><LH satellite sensor></p> <p>a through f are repeated. f: Four flashes indicate malfunctioning LH satellite sensor.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH satellite sensor. 4. Replace the air bag diagnosis sensor unit.

JM/HIA0532GB

Flash pattern	Repair order
<p><Front RH side air bag module></p> <p>a through f are repeated. f: One flash indicates malfunctioning front RH side air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front RH side air bag module. 4. Replace the air bag diagnosis sensor unit.

JM/HIA0533GB

Flash pattern	Repair order
<p><Front LH side air bag module></p> <p>a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front LH side air bag module. 4. Replace the air bag diagnosis sensor unit.

JM/HIA0534GB

Flash pattern	Repair order
<p><RH side curtain air bag module></p> <p>a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side curtain air bag module. 4. Replace the air bag diagnosis sensor unit.

JM/HIA0535GB

Flash pattern	Repair order
<p><LH side curtain air bag module></p> <p>a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side curtain air bag module. 4. Replace the air bag diagnosis sensor unit.

JM/HIA0536GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

<Air bag diagnosis sensor unit>	
Flash pattern	Repair order
<p>a through d are repeated. d: Seventeen flashes indicate mis-installation of air bag diagnosis sensor unit.</p> <p>ON OFF</p> <p>7 sec. 2 sec. 3 sec. 2 sec. 2 sec. 0.5 sec. 17 flashes 2 sec. 3 sec. 2 sec.</p>	<p>1. Replace the air bag diagnosis sensor unit.</p>

JMHIA0537GB

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SRC

DIAGNOSIS SENSOR UNIT

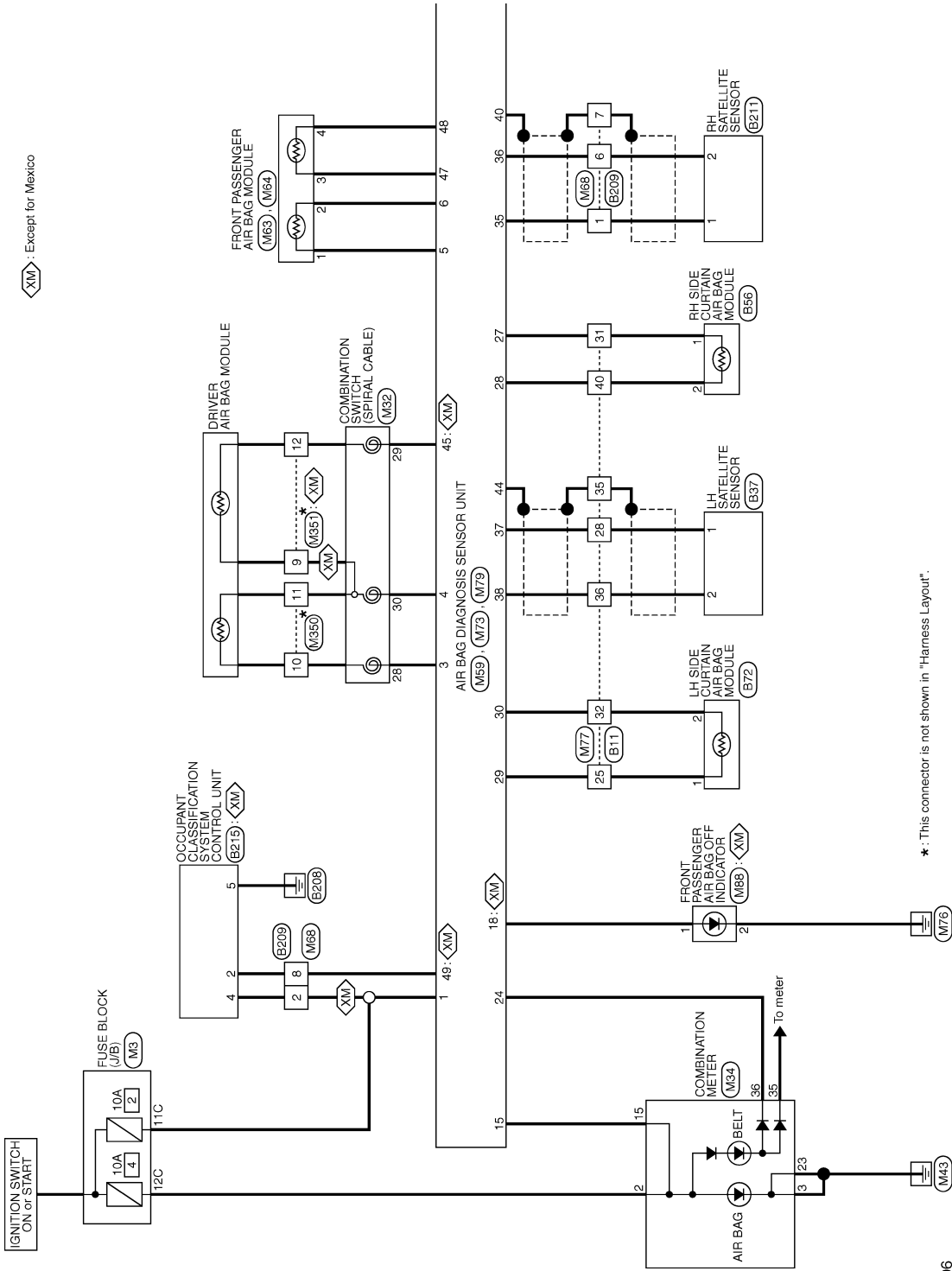
< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

Wiring Diagram — SRS AIR BAG CONTROL SYSTEM —

INFOID:000000006263091

SRS AIR BAG CONTROL SYSTEM



XM: Except for Mexico

*: This connector is not shown in "Harness Layout".

2010/09/06

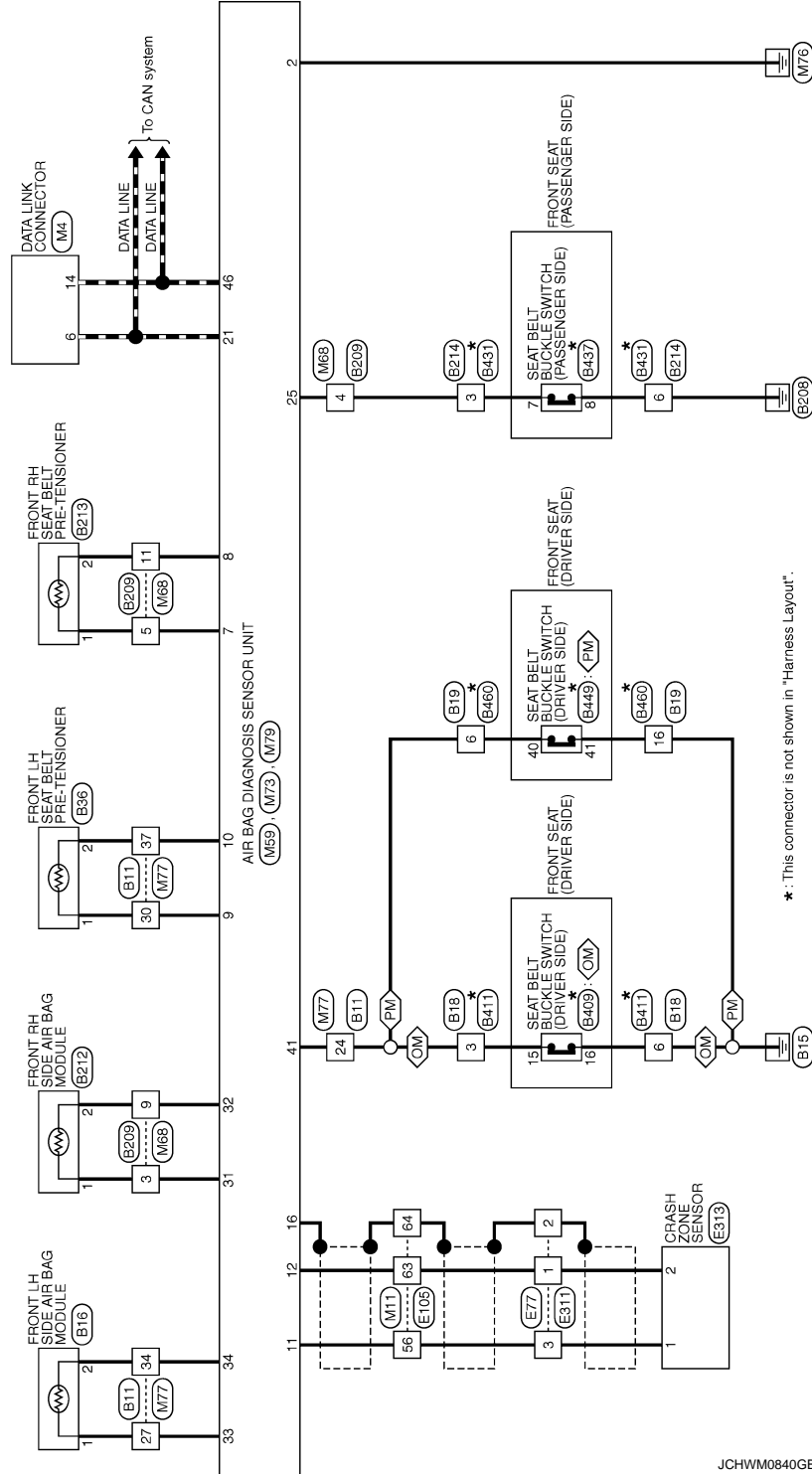
JCHWM0839GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

◊ PM : With automatic drive positioner
 ◊ OM : Without automatic drive positioner



*: This connector is not shown in "Harness Layout".

JCHWM0840GB

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SRC

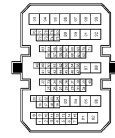
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS19



Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	
2	B	
3	R/L	
4	R/W	
5	SB	
6	P	
7	V	
8	SHIELD	
9	BR/L	
10	Y/G	
11	Y/L	
12	W/L	
13	L	
14	BR	
15	SB	
16	BR	
17	V	
18	SB	
19	R	
20	P	
21	LG	
22	W	
23	Y	
24	GR	
25	Y	
27	V	
28	W/L	
30	P	
31	O	
32	BR	
34	SB	
35	SHIELD	
36	L/O	
37	LG	
40	Y	
41	GR	
42	SB	
46	LG	

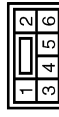
47	SB	
48	SHIELD	
49	B	
50	R/W	
51	R/L	
52	B	
53	Y	
54	LG	
55	BR	
56	P	
57	L	
58	R	
59	SHIELD	
60	B	
61	R/L	
62	R/W	
63	LG	
64	Y	
65	BR	
66	V	
67	GR	
68	R	
69	SHIELD	
70	W/R	
71	B/R	
72	Y	
73	LG	
74	SB	
75	L	
76	G	
77	R	
79	B	
80	W	
81	R	
82	L	
83	BR	
84	O	
85	G	
86	SB	
87	R	
88	G	
89	GR	
90	Y	
91	G	
92	BR	
93	G	
94	V	
95	BR	
96	GR	
97	R	
98	LG	
99	O	

Connector No.	B16
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TKGZFY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	
2	SB	

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	
2	B	
3	GR	
4	O	
5	C	
6	B/W	

Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	
2	L	
3	W	
4	P	
5	V	
6	GR	
7	B	
8	Y	
9	P	
10	LG	
11	R	
12	SB	
13	O	
14	BR	
15	G	
16	B/W	

Connector No.	E36
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACR02FY



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	
2	LG	

JCHWM0841GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM

Connector No.	B37
Connector Name	LH SATELLITE SENSOR
Connector Type	HK02FY-1V-EX



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

Connector No.	B56
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACB02FY



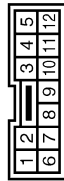
Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	Y	-

Connector No.	B72
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACB02FY



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

Connector No.	B209
Connector Name	WIRE TO WIRE
Connector Type	TK12MG-Y-BD



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	L	-
4	BR	-
5	Y	-
6	G	-
7	SHIELD	-
8	LG	-
9	P	-
11	SB	-

Connector No.	B211
Connector Name	RH SATELLITE SENSOR
Connector Type	HK02FY-1V-EX



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

Connector No.	B212
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V



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

Connector No.	B213
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACB02FY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	SB	-

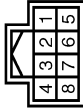
Connector No.	B214
Connector Name	WIRE TO WIRE
Connector Type	INS08FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	B	-

3	BR	-
4	GR	-
5	C	-
6	B/W	-

Connector No.	B215
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	COMMUNICATION
4	W	IGN
5	B	GND

Connector No.	B409
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	AG3MW-P



Terminal No.	Color of Wire	Signal Name [Specification]
15	W/G	-
16	GR	-

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O
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SRC

JCHWM0842GB

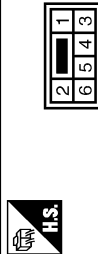
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

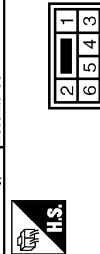
SRS AIR BAG CONTROL SYSTEM

Connector No.	B411
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	W/G	-
4	GR	-
5	B/R	-
6	GR	-

Connector No.	B431
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	W/G	-
4	W/R	-
5	B/R	-
6	GR	-

Connector No.	B437
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	A030MW-P



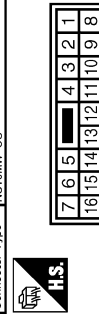
Terminal No.	Color of Wire	Signal Name [Specification]
7	W/G	-
8	GR	-

Connector No.	B449
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A030MW-P



Terminal No.	Color of Wire	Signal Name [Specification]
40	W/G	-
41	GR	-

Connector No.	B460
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	P	-

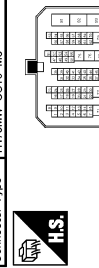
3	G/O	-
4	O/L	-
5	BR	-
8	W/G	-
7	B	-
8	W/L	-
9	P/L	-
10	L/O	-
11	V	-
12	V/W	-
13	W/R	-
14	BR/W	-
15	B/R	-
16	GR	-

Connector No.	E77
Connector Name	WIRE TO WIRE
Connector Type	RK03MB



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	THF0MW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	-
5	LG	-
6	GR	-

6	G	-
11	P	-
12	L	-
13	Y	-
14	O	-
15	BR	-
20	Y	-
21	BR	-
22	P	-
24	L	-
25	O	-
28	SB	-
29	W	-
30	Y	-
47	P	-
48	L	-
49	SB	-
50	GR	-
51	LG	-
52	V	-
53	GR	-
54	BR	-
55	Y	-
56	W/L	-
60	V	-
61	BR	-
62	O	-
63	L/O	-
64	SHIELD	-
66	W	-
67	BR	-
68	Y	-
69	SB	-
70	GR	-
71	SB	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	O	-
78	Y	- [With navigation system]
78	G	- [With iPod without navigation system]
78	V	- [Without iPod and navigation system]
79	Y	-
80	R	-
81	W	-
82	LG	-
83	O	-

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM

Connector No.	E311
Connector Name	WIRE TO WIRE
Connector Type	RK03FB-BD



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	SHIELD	-
3	O	-

Connector No.	E313
Connector Name	GRASH ZONE SENSOR
Connector Type	HK02FY-IV-EX



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

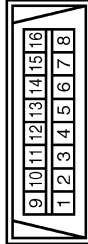
Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
6C	BR	-

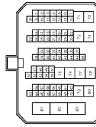
7C	B	-
8C	G	-
9C	GR	-
10C	SB	-
11C	R	-
12C	O	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	O	-
8	G	-
11	SB	-
14	P	-
16	Y	-

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TR70PW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
3	P	-
5	O	-
6	G	-
8	R	-
11	P	-

12	L	-
13	V	-
14	Y	-
15	R	-
20	Y	-
21	BR	-
22	G	-
24	Y	-
25	L	-
28	BR	-
29	L	-
30	R	-
47	P	-
48	L	-
49	W	-
50	GR	-
51	LG	-
52	Y	-
53	V	-
54	SB	-
55	P	-
56	SB	-
60	V	-
61	GR	-
62	O	-
63	V	-
64	SHIELD	-
66	W	-
67	R	-
68	W	-
69	P	-
70	G	-
71	G	-
72	BR	-
73	L	-
74	W	-
75	BR	-
76	R	-
77	G	-
78	Y	-
79	G	-
80	R	-
81	W	-
82	W	-
83	O	-

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-IV



Terminal No.	Color of Wire	Signal Name [Specification]
23	R	-
28	Y	-
29	Y/V	-
30	Y	-

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SRC

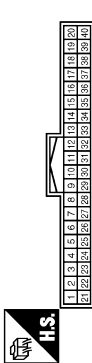
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH407V-NH



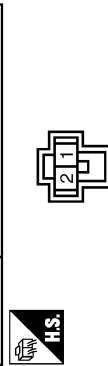
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	BAT
2	O	IGN
3	B	GROUND
4	B	GROUND
5	SB	ILLUMINATION CONTROL
8	SB	TRIP RESET SWITCH
9	W	SW ILL POWER
10	O	METER CONTROL SW GND
11	L	ENTER SWITCH
12	R	SELECT SWITCH
13	Y	ILLUMINATION CONTROL SWITCH (1) (See accessories drive position)
14	GR	ILLUMINATION CONTROL SWITCH (2)
15	BR	AIR BAG
18	L	AMBIENT SENSOR
19	P	AMBIENT SENSOR POWER
20	Y	AMBIENT SENSOR GROUND
21	L	CAN-H
22	P	CAN-L
23	B	GROUND
24	W	FUEL LEVEL SENSOR GROUND
25	BR	CHG
26	G	PARKING BRAKE SWITCH
27	V	BRAKE FLUID LEVEL SWITCH
29	R	WASHER LEVEL SWITCH
30	P	VEHICLE SPEED (2-PULSE)
31	V	VEHICLE SPEED (8-PULSE)
32	LG	OD OFF / SPORTS
34	G	FUEL LEVEL SENSOR
35	SB	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
36	R	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

Connector No.	M59
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-2V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	ELR LH+
10	Y	ELR LH-
29	Y	INF CURTAIN LH+
30	BR	INF CURTAIN LH-
33	Y	SIDE INF LH+
34	Y	SIDE INF LH-
37	R	SIDE SENS LH+
38	G	SIDE SENS LH-
41	SB	BUCKLE SW LH
44	SHIELD	GND

Connector No.	M63
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	JCA02FB



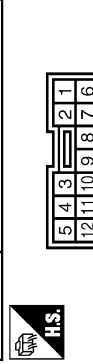
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	M64
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	JCA02FOR



Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	-
4	Y	-

Connector No.	M68
Connector Name	WIRE TO WIRE
Connector Type	TK12FG-Y



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	Y	-
4	L	-
5	V	-
8	G	-
7	SHIELD	-
9	V	-
11	Y	-

Connector No.	M73
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DR 1+
4	Y	INFLATOR DR L & DR 2-
5	Y	INFLATOR AS 1+
6	Y	INFLATOR AS 1-
11	SB	EGCS+
12	V	EGCS-
15	BR	A/B W/L
16	SHIELD	GND
18	V	A/B CUTOFF TELLTALE
21	L	CAN-H
24	R	SEATBELT W/L
45	Y	INFLATOR DR 2+
46	P	CAN-L
47	Y	INFLATOR AS 2+
48	Y	INFLATOR AS 2-
49	V	ODS INPUT

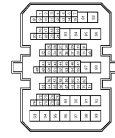
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-C51.9



Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	
2	B	
3	W	
4	R	
5	Y	
6	W	
7	G	
8	SHIELD	
9	W	
10	R	
11	G	
12	B	
13	O	
14	R	
15	SB	
16	R	
17	V	
18	P	
19	P	
20	LG	
21	Y	
22	O	
23	LG	
24	SB	
25	Y	
27	Y	
28	R	
30	Y	
31	W	
32	BR	
34	Y	
35	SHIELD	
36	G	
37	Y	
40	O	
41	LG	
42	SB	
46	LG	

47	SR	
48	SHIELD	
49	R	
50	LG	
51	V	
52	B	
53	BR	
54	B	
55	G	
56	P	
57	L	
58	SB	
59	SHIELD	
60	B	
61	R	
62	W	
63	O	
64	Y	
65	Y	
66	V	
67	GR	
68	G	
69	SHIELD	
70	L	
71	R	
72	LG	
73	Y	
74	R	
75	P	
76	L	
77	BR	
79	B	
80	W	
81	LG	
82	L	
83	W	
83	GR	
84	R	
85	V	
86	W	
87	R	
88	G	
89	B	
90	O	
91	G	
92	BR	
93	P	
94	V	
95	O	
96	SB	
97	L	
98	LG	

98	Y	-
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Connector No.	M79
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-IV-EX

Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	ELR RH+
8	Y	ELR RH+
25	L	BUCKLE SW RH
27	W	INF CURTAIN RH+
28	O	INF CURTAIN RH+
31	Y	SIDE INF RH+
32	Y	SIDE INF RH+
35	R	SIDE SENS RH+
36	G	SIDE SENS RH+
40	SHIELD	GND

Connector No.	M88
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TKG3FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	
2	B	

Connector No.	M850
Connector Name	DRIVER AIR BAG MODULE
Connector Type	JAC02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
10	-	
11	-	

Connector No.	M851
Connector Name	DRIVER AIR BAG MODULE
Connector Type	JAC02FOR



Terminal No.	Color of Wire	Signal Name [Specification]
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SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

[FOR USA AND CANADA]

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:000000006263092

1. CHECK FRONT AIR BAG MODULE

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to [SRC-147, "Diagnosis Procedure"](#) or [SRC-149, "Diagnosis Procedure"](#).

NO >> GO TO 2.

2. CHECK AIR BAG FUSE

Check the air bag fuse. Refer to [PG-113, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.2, located in fuse block (J/B)] normal?

YES >> GO TO 4.

NO >> GO TO 3.

3. CHECK AIR BAG FUSE AGAIN

Replace air bag fuse and turn ignition switch ON.

Did the air bag fuse blow again?

YES >> Repair or replace main harness.

NO >> **INSPECTION END**

4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).

5. CHECK HARNESS CONNECTION

Check harness connection between air bag warning lamp and air bag diagnosis sensor unit.

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

NO >> Replace wiring harness connector.

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

[FOR USA AND CANADA]

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:000000006263093

1.CHECK METER FUSE

Check the meter fuse. Refer to [PG-113, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.4, located in fuse block (J/B)] normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK METER FUSE AGAIN

Replace 10A fuse [No.4, located in fuse block (J/B)] and turn ignition switch ON.

Did the meter fuse blow again?

YES >> Repair or replace the related harness.

NO >> **INSPECTION END**

3.CHECK HARNESS CONNECTION

1. Check harness connection between air bag diagnosis sensor unit and combination meter.

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

Did air bag warning lamp turn ON?

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

NO >> Replace combination meter assembly. Refer to [MWI-105, "Removal and Installation"](#).

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PASSENGER SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

[FOR USA AND CANADA]

PASSENGER SEAT BELT WARNING SYSTEM

Diagnosis Procedure

INFOID:000000006263094

1.CHECK THE SYSTEM 1

Check the seat belt warning lamp function.

Seat belt warning lamp turns ON in the following conditions.

- Driver seat belt is fastened.
- Occupant is on front passenger seat.
- Front passenger seat belt is not fastened.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Check the followings.

- Harness between air bag diagnosis sensor unit and combination meter.
- Seat belt buckle switch (front passenger side) circuit.
- Seat belt buckle switch (front passenger side).

If these are OK, replace air bag diagnosis sensor unit.

2.CHECK THE SYSTEM 2

Check the seat belt warning lamp function.

Seat belt warning lamp turns OFF in the following conditions.

- Driver seat belt is fastened.
- Occupant is on front passenger seat.
- Front passenger seat belt is fastened.

Is the inspection result normal?

YES >> System is OK.

NO >> Check the followings.

- Seat belt buckle switch (front passenger side) circuit.
- Seat belt buckle switch (front passenger side).

If these are OK, replace air bag diagnosis sensor unit.

PRECAUTION

PRECAUTIONS

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

INFOID:000000006263095

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 "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that 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 "SRS AIR BAG".
- Never 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:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never 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.

Service

INFOID:000000006263096

- 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 battery negative terminal and wait at least 3 minutes.
For approximately 3 minutes after the battery negative terminal is removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, do not work on any SRS connectors or wires until at least 3 minutes have elapsed.
- Diagnosis sensor unit must always be installed with their arrow marks "←" pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper functioning after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

Occupant Classification System Precaution

INFOID:000000006263097

- Replace occupant classification system control unit and passenger front seat cushion as an assembly. Refer to [SE-97, "Removal and Installation"](#).

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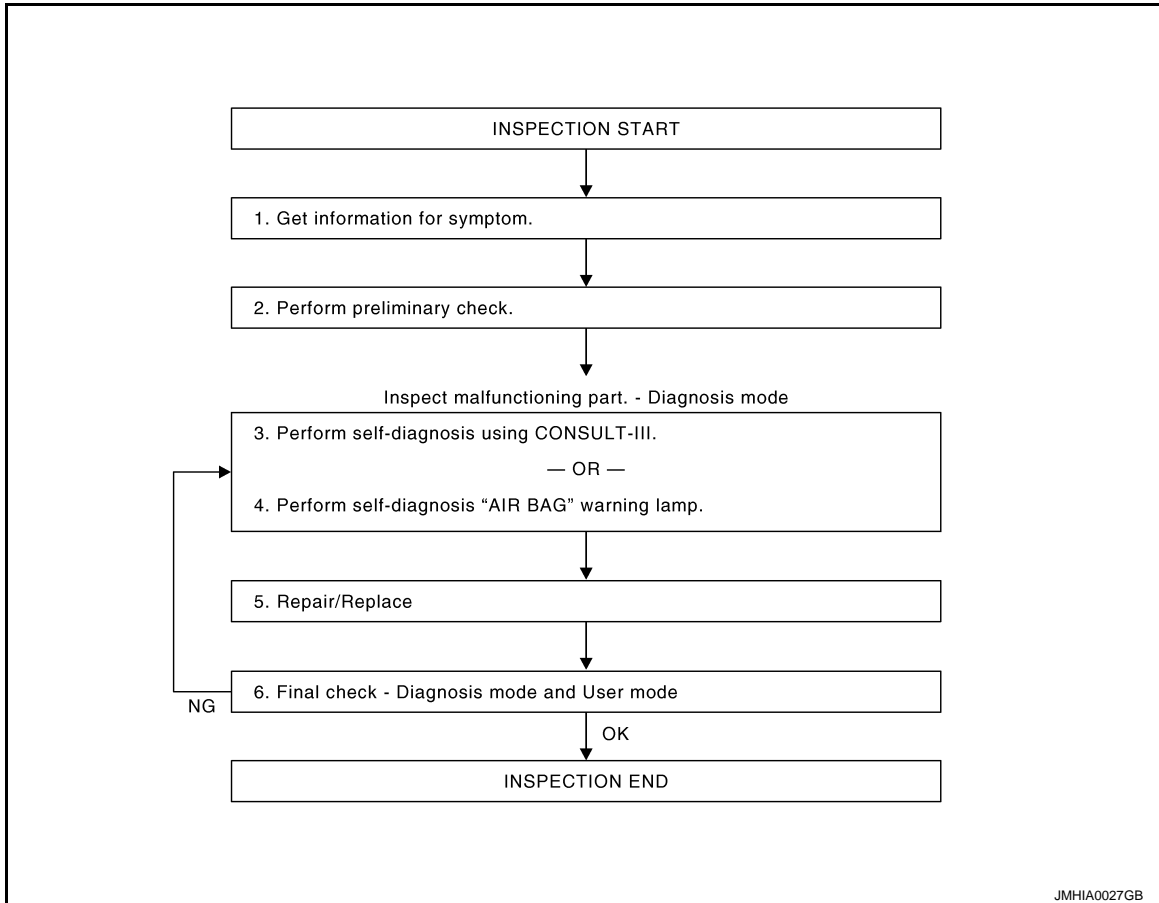
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000006263098

OVERALL SEQUENCE



DETAILED FLOW

1.GET INFORMATION FOR SYMPTOM

Interview the customer about the symptom.

>> GO TO 2.

2.PERFORM PRELIMINARY CHECK

At the beginning of inspection, confirm the condition of power supply circuit, check that the battery is charged and fuses and fusible links are not blown.

Is power supply circuit normal?

YES-1 >> GO TO 3. (With CONSULT-III)

YES-2 >> GO TO 4. (Without CONSULT-III)

NO >> Repair or replace the battery and fuse/fusible links.

3.PERFORM SELF-DIAGNOSIS USING "CONSULT-III" (WITH CONSULT-III)

Perform "AIR BAG" Self Diagnostic Result.

Is "MALFUNCTIONING PART" displayed on CONSULT-III?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[FOR MEXICO]

4.PERFORM SELF-DIAGNOSIS "AIR BAG" WARNING LAMP (WITHOUT CONSULT-III)

Check the air bag warning lamp status.

Is "MALFUNCTIONING PART" detected?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

5.REPAIR OR REPLACE

Repair or replace the malfunctioning part.

After the malfunction is repaired, erase the self-diagnostic result. Refer to [SRC-186. "Diagnosis Description"](#) or [SRC-188. "CONSULT-III Function"](#).

>> GO TO 6.

6.FINAL CHECK

Perform "AIR BAG" Self Diagnostic Result with CONSULT-III and /or, air bag warning lamp status.

Are all malfunctions corrected?

YES >> **INSPECTION END**

NO-1 >> GO TO 3. (With CONSULT-III)

NO-2 >> GO TO 4. (Without CONSULT-III)

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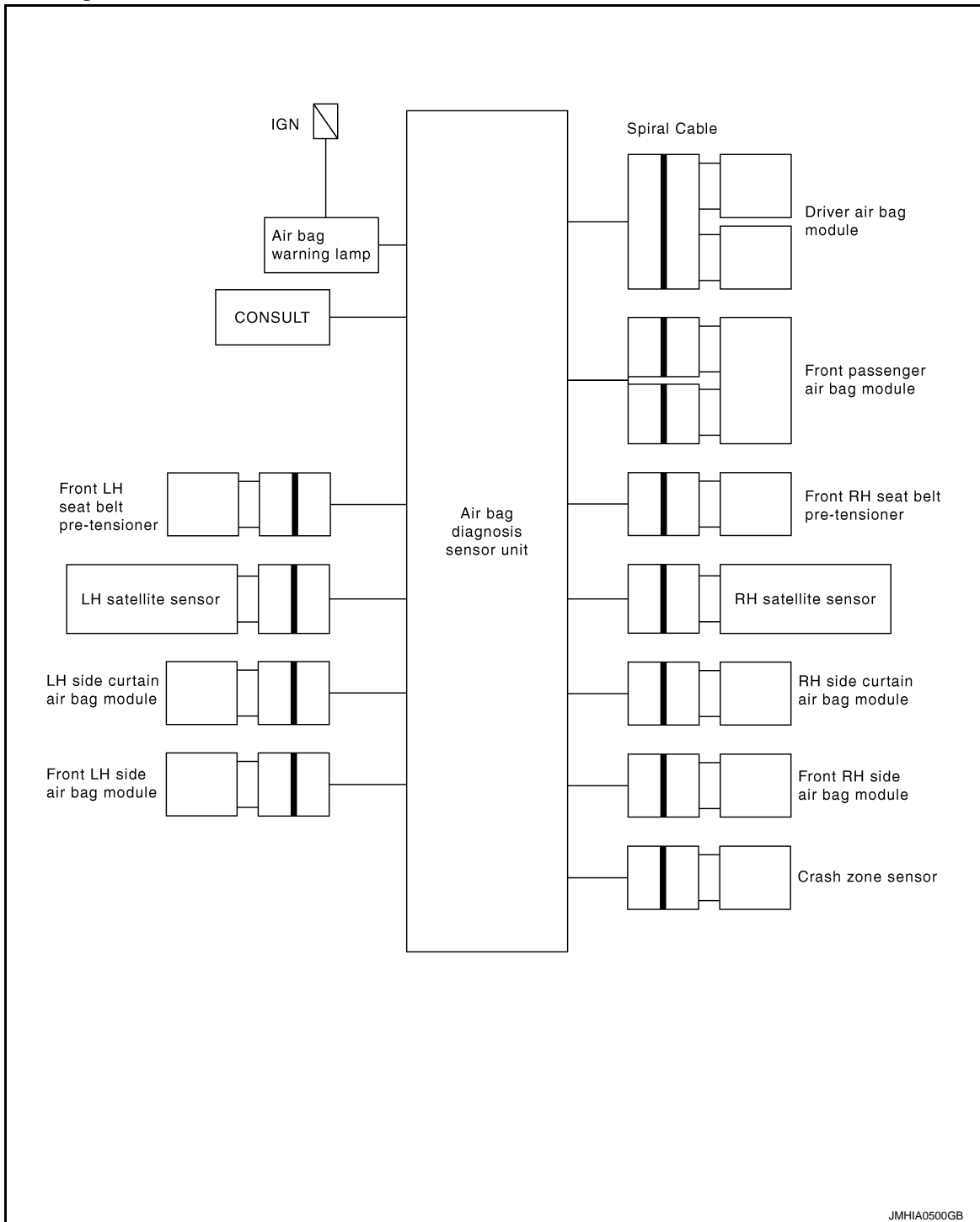
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SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

System Diagram

INFOID:000000006263099



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System Description

INFOID:000000006263100

Supplemental Restraint System (SRS) activates air bag module and seat belt pre-tensioner when it detects a frontal collision or a side collision that is more than the specified limit. Together with other safety devices, it reduces the impact that occupant receives when vehicle collision occurs.

Air bag sensor unit supplies power supply to air bag module and pre-tensioner seat belt when deceleration that is more than the specified limit is detected by G sensor in air bag diagnosis sensor unit, crash zone sensor.

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

[FOR MEXICO]

sensor, or satellite sensor. Air bag module is composed of electric igniter (squib), filter, pyrotechnic material, and gas generating material. When air bag module receives a signal from air bag sensor unit, air bag module ignites pyrotechnic material using electric igniter (squib) so that gas generating material generates high temperature nitrogen gas. The gas through filter activates air bag and seat belt pre-tensioner.

AIR BAG DIAGNOSIS SENSOR UNIT FUNCTIONS

Air bag diagnosis sensor unit has the following functions.

- Detects a collision and supplies the energy for deploying air bag and seat belt pre-tensioner.
- Detects and records electrical malfunction in air bag system and seat belt pre-tensioner system, and blinking air bag warning lamp.
- Detects and records the deployment of air bag and seat belt pre-tensioner, and turns ON air bag warning lamp.
- Indicates malfunctioning portion via the number of blinks from the air bag warning lamp in the diagnosis mode.
- Indicates the malfunction record via CONSULT-III.

COLLISION MODES

The operation of SRS is different depending on the collision modes applications. For example, the driver air bag module, passenger air bag module, and seat belt pre-tensioner are activated in a frontal collision but not in a side collision.

SRS configurations that are activated for the following collision modes.

×: Apply —: Not apply

Collision Mode	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
Frontal collision	×	×	×	×	—	—	—	—
Left side collision	—	—	—	—	×	—	×	—
Right side collision	—	—	—	—	—	×	—	×

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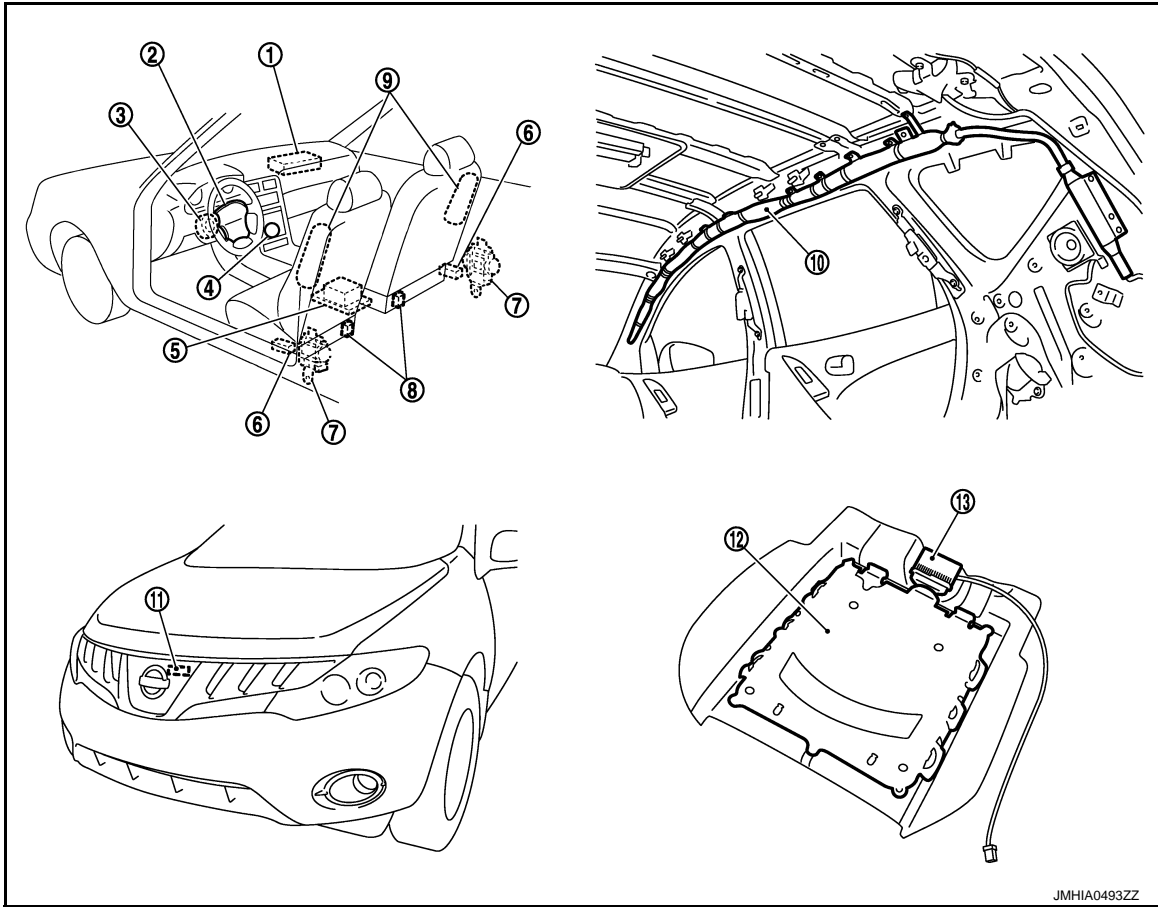
SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

[FOR MEXICO]

Component Parts Location

INFOID:000000006263101



- | | | |
|-------------------------------------------------|---------------------------------------------------------|----------------------------------------------------|
| 1. Front passenger air bag module | 2. Driver air bag module | 3. Combination switch (Spiral cable) |
| 4. Front passenger air bag OFF indicator | 5. Air bag diagnosis sensor unit | 6. Satellite sensor (LH/RH) |
| 7. Front seat belt pre-tensioner (LH/RH) | 8. Seat belt buckle switch (Driver side/Passenger side) | 9. Front side air bag module (LH/RH) |
| 10. Side curtain air bag module | 11. Crash zone sensor | 12. Occupant Classification System seat sensor mat |
| 13. Occupant Classification System control unit | | |

Component Description

INFOID:000000006263102

Component	Function
Air bag diagnosis sensor unit	Detects a collision and supplies power supply for deployment to air bag module and pre-tensioner seat belt.
Air bag module <ul style="list-style-type: none"> • Driver • Passenger • Side • Curtain 	Receives signal from air bag diagnosis sensor unit and deploys air bag.
Seat belt pre-tensioner	Receives signal from air bag diagnosis sensor unit and deploys seat belt pre-tensioner.
Seat belt buckle switch	Controls deployment timing based on seat belt fastened or unfastened condition.
Crash zone sensor	Transmits signal to air bag diagnosis sensor unit when a frontal collision occurs.

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

[FOR MEXICO]

Component	Function
Satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.
Combination meter (air bag warning lamp)	Indicates air bag malfunctioning and deployment by blinking and illuminating air bag warning lamp.
Passenger air bag OFF indicator	Indicates whether or not passenger air bag is in the activation mode based on the judgement of Occupant Classification System.
Combination switch (spiral cable)	Supplies power supply to driver air bag module on steering wheel.

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DIAGNOSIS SYSTEM (AIRBAG)

Diagnosis Description

INFOID:000000006263103

CAUTION:

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

DIAGNOSIS FUNCTION

- The SRS self-diagnosis results can be read by using air bag warning lamp and/or CONSULT-III.
- 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-III are as follows.

	User mode	Diagnosis mode	Display type
Air bag warning lamp	X	X	ON-OFF operation
CONSULT-III	–	X	Monitoring

HOW TO PERFORM TROUBLE DIAGNOSIS FOR QUICK AND ACCURATE REPAIR

A good understanding of the malfunction conditions can make troubleshooting faster and more accurate. In general, each customer feels differently about a malfunction. It is important to fully understand the symptoms or conditions for a customer complaint.

Information from Customer.

- WHAT..... Vehicle model.
- WHEN..... Date, Frequencies.
- WHERE..... Road conditions.
- HOW..... Operating conditions, Symptoms.

Preliminary Check.

Check that the following parts are in good order.

- Battery (Refer to [PG-3. "How to Handle Battery"](#)).
- Fuse (Refer to [PG-87. "Fuse"](#)).
- System component-to-harness connections.

HOW TO ERASE SELF-DIAGNOSTIC RESULTS (With CONSULT-III)

- “SELF-DIAG [CURRENT]”
A current self-diagnosis result is displayed on CONSULT-III screen in real time. After the malfunction is repaired completely, no malfunction is detected on “SELF-DIAG [CURRENT]”.
- “SELF-DIAG [PAST]”
Return to “SELF-DIAG [CURRENT]” CONSULT-III screen by touching “BACK” key of CONSULT-III and select “SELF-DIAG [CURRENT]” in SELECT DIAG MODE. Touch “ERASE” in “SELF-DIAG [CURRENT]” mode.

NOTE:

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.

- “TROUBLE DIAG RECORD”
The memory of “TROUBLE DIAG RECORD” cannot be erased.

HOW TO ERASE SELF-DIAGNOSTIC RESULTS (Without CONSULT-III)

After a malfunction is repaired, turn the ignition switch OFF for at least one second, then turn ignition switch ON diagnosis mode returns to the user mode. At that time the self-diagnosis result is cleared.

DIAGNOSIS SYSTEM (AIRBAG)

[FOR MEXICO]

< SYSTEM DESCRIPTION >

DIAGNOSTIC PROCEDURE (User mode)

Checking air bag operation according to 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 air bag warning lamp blinking pattern with the examples.



Warning lamp examples (User mode)

Air bag warning lamp operation -User mode	SRS condition	Reference item
<p style="text-align: center;">SHIA0011E</p>	<ul style="list-style-type: none"> • No malfunction is detected • No further action is necessary 	<p style="text-align: center;">—</p>
<p style="text-align: center;">SHIA0012E</p>	<ul style="list-style-type: none"> • The system is malfunctioning and needs to be repaired as indicated 	<p>Go to SRC-188. "CONSULT-III Function"</p>

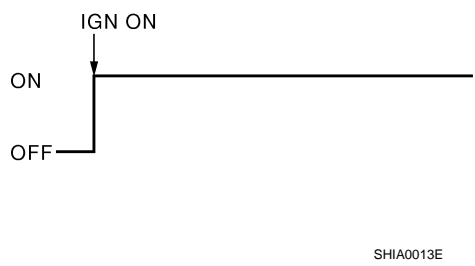

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DIAGNOSIS SYSTEM (AIRBAG)

[FOR MEXICO]

< SYSTEM DESCRIPTION >

Air bag warning lamp operation -User mode	SRS condition	Reference item
 <p>SHIA0013E</p>	<ul style="list-style-type: none"> Air bag is deployed Seat belt pre-tensioner is deployed 	Go to SRC-306, "Diagnosis Procedure" or SRC-308, "Diagnosis Procedure"
 <p>SHIA0014E</p>	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is malfunctioning Air bag power supply circuit is malfunctioning Air bag warning lamp circuit is malfunctioning 	Go to SRC-334, "Diagnosis Procedure"

DIAGNOSTIC PROCEDURE (With CONSULT-III)

Diagnostic Mode	Description
SELF-DIAG RESULT	The self-diagnosis result is displayed (SELF-DIAG [CURRENT], [PAST], RECORD)
DISCRIMINATED No.	The part number of air bag diagnosis sensor unit is displayed

CONSULT-III Function

INFOID:000000006263104

DIAGNOSIS MODE FOR CONSULT-III

- “SELF-DIAG [CURRENT]”
A current self-diagnosis results (also indicated with the number of warning lamp blinks in diagnosis mode) are displayed on CONSULT-III 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 CONSULT-III screen. The stored results are not erased until memory erasing is executed.
- “TROUBLE DIAG RECORD”
With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on CONSULT-III screen.
- “DISCRIMINATED NO.”
Air bag diagnosis sensor unit ECU discriminated number (identification number) is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) based on model and equipment.

HOW TO CHANGE SELF-DIAGNOSIS MODE WITH CONSULT-III

From User Mode to Diagnosis Mode

After selecting “AIR BAG” on the “SELECT SYSTEM” screen, User mode automatically changes to Diagnosis mode.

From Diagnosis Mode to User Mode

To return to User mode from Diagnosis mode, touch “BACK” key of CONSULT-III until “SELECT SYSTEM” appears, then diagnosis mode automatically changes to User mode.

DIAGNOSIS SYSTEM (AIRBAG)

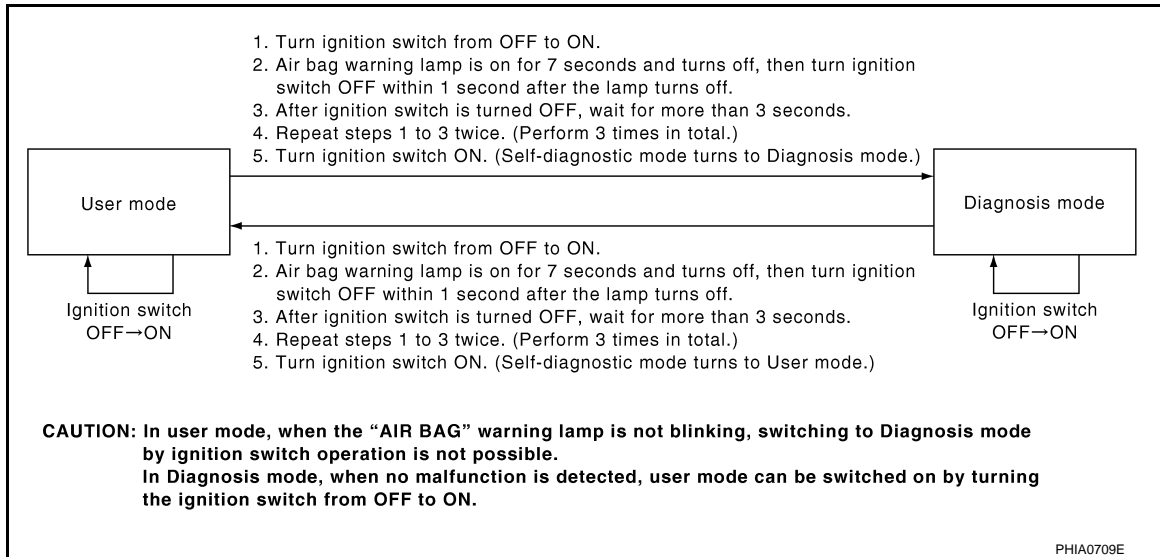
< SYSTEM DESCRIPTION >

[FOR MEXICO]

SELF-DIAGNOSIS FUNCTION (Without CONSULT-III)

- The reading of these results is accomplished by “User mode” and “Diagnosis mode”.
- After a malfunction is repaired, turn ignition switch ON. Diagnosis mode returns to the user mode. At that time, the self-diagnosis result is cleared.

HOW TO CHANGE SELF-DIAGNOSIS MODE WITHOUT CONSULT-III



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DTC/CIRCUIT DIAGNOSIS

B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263105

DTC B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263106

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1001 B1002 B1003 B1004 B1005	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"> Internal breakdown in air bag diagnosis sensor unit Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-191, "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1001, B1002, B1003, B1004, B1005 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-318](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263107

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

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B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263108

DTC B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263109

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1006 B1007 B1008 B1009 B1010	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unit.Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-193. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1006, B1007, B1008, B1009, B1010 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-318](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263110

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

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SRC

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263111

DTC B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263112

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1011 B1012 B1013 B1014 B1015	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-195. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1011, B1012, B1013, B1014, B1015 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-318](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263113

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

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B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263114

DTC B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263115

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1026 B1027 B1028 B1029 B1030 B1031	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-197. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1026, B1027, B1028, B1029, B1030, B1031 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-318](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263116

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

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B1033, B1034 CRASH ZONE SEN**Description**

INFOID:000000006263117

DTC B1033, B1034 [UNIT FAIL] CRASH ZONE SENSOR

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

OPERATION

When air bag diagnosis sensor unit define the both signal voltage of the "G" sensor and the safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

DTC Logic

INFOID:000000006263118

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1033 B1034	CRASH ZONE SEN- SOR [UNIT FAIL]	Crash zone sensor is out of order	<ul style="list-style-type: none"> • Disconnection of wiring harness • Internal breakdown in crash zone sensor • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-199, "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**NOTE:**

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1033, B1034 CRASH ZONE SEN

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP-

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263119

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK CRASH ZONE SENSOR

1. Replace crash zone sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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B1035, B1036, B1038, B1040 CRASH ZONE SEN

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1035, B1036, B1038, B1040 CRASH ZONE SEN

Description

INFOID:000000006263120

DTC B1035, B1036, B1038, B1040 [COMM FAIL] CRASH ZONE SENSOR

Main "G" sensor that generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

OPERATION

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belt.

STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

DTC Logic

INFOID:000000006263121

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1035	CRASH ZONE SENSOR [COMM FAIL]	Crash zone sensor is out of order	<ul style="list-style-type: none">• Disconnection of wiring harness and open/short• Internal breakdown in crash zone sensor• Internal breakdown in air bag diagnosis sensor unit
B1036	[UNMATCH]		
B1038	[OPEN/UPR-VB-SHORT]		
B1040	[SHORT/UPR-GND-SHORT]		

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-201. "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1035, B1036, B1038, B1040 CRASH ZONE SEN

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-318](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263122

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK CRASH ZONE SENSOR

1. Replace crash zone sensor.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

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B1037, B1039, B1041 CRASH ZONE SENS1

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1037, B1039, B1041 CRASH ZONE SENS1

Description

INFOID:000000006263123

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level caused by vehicle frontal collision.

OPERATION

When air bag diagnosis sensor unit defines both signal voltage of the "G" sensor and the safing algorithm to be that of collision which exceeds a specified level, the driving circuit switches on and feeds the electric ignitor of both driver and passenger air bags and pre-tensioner seat belts.

STRUCTURE

Integrated type of the "G" sensor element for frontal collision with output terminals for signal voltage.

INSTALLATION

Crash zone sensor is installed on the radiator core support assembly with fixed nuts.

DTC Logic

INFOID:000000006263124

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1037 B1039 B1041	CRASH ZONE SENSOR1	Crash zone sensor is malfunctioning	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in crash zone sensor• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-186. "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-202. "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263125

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace wiring harness.

B1037, B1039, B1041 CRASH ZONE SENS1

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

3. REPLACE CRASH ZONE SENSOR

1. Replace crash zone sensor. Refer to [SR-49. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-202. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-202. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.
NO >> INSPECTION END

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B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263126

DTC B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both for frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263127

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1042 B1043 B1044 B1045 B1046 B1047	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-205. "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-318](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263128

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

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B1049, B1054 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1049, B1054 DRIVER AIRBAG MODULE

Description

INFOID:000000006263129

DTC B1049, B1054 [OPEN] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000006263130

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module circuit is open (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and open• Internal breakdown in driver air bag module• Internal breakdown in spiral cable• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-207. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1049, B1054 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:0000000006263131

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed

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

Driver side air bag module harness connector	Terminal	Ground	Continuity
M350	10 11		Not existed

Is the inspection result normal?

- YES >> GO TO 4.
NO >> Replace spiral cable. Refer to [SR-40. "Removal and Installation"](#).

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-206. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 5.
NO >> **INSPECTION END**

5.CHECK DRIVER AIR BAG MODULE

B1049, B1054 DRIVER AIRBAG MODULE

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> GO TO 1.

B1050, B1055 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1050, B1055 DRIVER AIRBAG MODULE

Description

INFOID:000000006263132

DTC B1050, B1055 [VB-SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000006263133

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module circuit is shorted to some power supply circuit (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in driver air bag module• Internal breakdown in spiral cable• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-210. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

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B1050, B1055 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-318](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263134

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed

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

Driver side air bag module harness connector	Terminal	Ground	Continuity
M350	10 11		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-40. "Exploded View"](#).

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-209. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> **INSPECTION END**

5.CHECK DRIVER AIR BAG MODULE

B1050, B1055 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.

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B1051, B1056 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1051, B1056 DRIVER AIRBAG MODULE

Description

INFOID:000000006263135

DTC B1051, B1056 [GND-SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000006263136

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1051 B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in driver air bag module• Internal breakdown in spiral cable• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-213. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1051, B1056 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:0000000006263137

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed

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

Driver side air bag module harness connector	Terminal	Ground	Continuity
M350	10 11		Not existed

Is the inspection result normal?

- YES >> GO TO 4.
NO >> Replace spiral cable. Refer to [SR-40. "Exploded View"](#).

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-212. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 5.
NO >> **INSPECTION END**

5.CHECK DRIVER AIR BAG MODULE

B1051, B1056 DRIVER AIRBAG MODULE

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.

B1052, B1057 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1052, B1057 DRIVER AIRBAG MODULE

Description

INFOID:000000006263138

DTC B1052, B1057 [SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000006263139

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in driver air bag module• Internal breakdown in spiral cable• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-216. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1052, B1057 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-318](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263140

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver side air bag module harness connector and body side harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M350	10 11	M32	28 30	Existed

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

Driver side air bag module harness connector	Terminal	Ground	Continuity
M350	10 11		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-40. "Exploded View"](#).

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-215. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> **INSPECTION END**

5.CHECK DRIVER AIR BAG MODULE

B1052, B1057 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

1. Replace driver air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> GO TO 1.

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B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263141

DTC B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263142

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1058 B1059 B1060 B1061 B1062 B1063	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-219. "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-318](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263143

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

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B1065, B1070 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1065, B1070 ASSIST A/B MODULE

Description

INFOID:000000006263144

DTC B1065, B1070 [OPEN] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000006263145

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1065 B1070	ASSIST A/B MODULE [OPEN]	Front passenger air bag module circuit is open	<ul style="list-style-type: none">• Disconnection of wiring harness and open• Internal breakdown in front passenger air bag module• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-221, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1065, B1070 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263146

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-220, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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B1066, B1071 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1066, B1071 ASSIST A/B MODULE

Description

INFOID:000000006263147

DTC B1066, B1071 [VB-SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000006263148

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Front passenger air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in front passenger air bag module• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-223. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1066, B1071 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263149

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-222. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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B1067, B1072 ASSIST A/B MODULE

Description

INFOID:000000006263150

DTC B1067, B1072 [GND-SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000006263151

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Front passenger air bag module circuit is shorted to ground	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front passenger air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-225, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1067, B1072 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263152

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-224, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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B1068, B1073 ASSIST A/B MODULE**Description**

INFOID:000000006263153

DTC B1068, B1073 [SHORT] ASSIST A/B MODULE

For front passenger air bag module, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front passenger air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front passenger air bag module is installed on the instrument panel with fixed bolts.

DTC Logic

INFOID:000000006263154

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1068 B1073	ASSIST A/B MODULE [SHORT]	Front passenger air bag module circuits are shorted to each other	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front passenger air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-227, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**NOTE:**

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1068, B1073 ASSIST A/B MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263155

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-226. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263156

DTC B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263157

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1074 B1075 B1076 B1077 B1078 B1079	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-229. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1074, B1075, B1076, B1077, B1078, B1079 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263158

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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SRC

B1080, B1096 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1080, B1096 DRIVER AIRBAG MODULE

Description

INFOID:000000006263159

For driver air bag module, crash is judged by main "G" sensor output signal and safing algorithm in front direction.

OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Driver air bag module mainly consists of air bag and inflator that inflates air bag.

INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

DTC Logic

INFOID:000000006263160

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in driver air bag module• Malfunction in spiral cable• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-186, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-230, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263161

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1080, B1096 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

NO >> Replace wiring harness.

3. CHECK SPIRAL CABLE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect driver air bag module harness connector and Combination switch (Spiral cable) harness connector.
3. Check continuity between driver side air bag module harness connector and body side harness connector.

Driver side air bag module harness connector	Terminal	Body side harness connector	Terminal	Continuity
M302	10	M32	28	Existed
	11		30	
M301	12		29	
	9		30	

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

Driver side air bag module harness connector	Terminal		Continuity
M302	10	Ground	Not existed
	11		
M301	12		
	9		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace spiral cable. Refer to [SR-40, "Exploded View"](#).

4. REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-37, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-230, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-230, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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SRC

B1081 PRE-TEN FRONT RH**Description**

INFOID:000000006263162

DTC B1081 [OPEN] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263163

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1081	PRE-TEN FRONT RH [OPEN]	Front RH seat belt pre-tensioner circuit is open	<ul style="list-style-type: none"> • Disconnection of wiring harness and open • Internal breakdown in front RH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-233. "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**NOTE:**

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

1.INSPECTION START

Turn ignition switch ON.

B1081 PRE-TEN FRONT RH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart. [SRC-318](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263164

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

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B1082 PRE-TEN FRONT RH

Description

INFOID:000000006263165

DTC B1082 [VB-SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263166

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1082	PRE-TEN FRONT RH [VB-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front RH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-235. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

< DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263167

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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B1083 PRE-TEN FRONT RH

Description

INFOID:000000006263168

DTC B1083 [GND-SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In case of frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263169

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1083	PRE-TEN FRONT RH [GND-SHORT]	Front RH seat belt pre-tensioner circuit is shorted to ground	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front RH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-237. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

< DTC/CIRCUIT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263170

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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B1084 PRE-TEN FRONT RH**Description**

INFOID:000000006263171

DTC B1084 [SHORT] PRE-TEN FRONT RH

For front RH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front RH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263172

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1084	PRE-TEN FRONT RH [SHORT]	Front RH seat belt pre-tensioner circuit are shorted to each other	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front RH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-239. "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**NOTE:**

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263173

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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B1086 PRE-TEN FRONT LH

Description

INFOID:000000006263174

DTC B1086 [OPEN] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263175

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1086	PRE-TEN FRONT LH [OPEN]	Front LH seat belt pre-tensioner circuit is open	<ul style="list-style-type: none"> • Disconnection of wiring harness and open • Internal breakdown in front LH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-241. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263176

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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B1087 PRE-TEN FRONT LH

Description

INFOID:000000006263177

DTC B1087 [VB-SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263178

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1087	PRE-TEN FRONT LH [VB-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front LH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-243. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263179

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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SRC

B1088 PRE-TEN FRONT LH

Description

INFOID:000000006263180

DTC B1088 [GND-SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263181

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1088	PRE-TEN FRONT LH [GND-SHORT]	Front LH seat belt pre-tensioner circuit is shorted to ground	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front LH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-245. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1088 PRE-TEN FRONT LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263182

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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SRC

B1089 PRE-TEN FRONT LH

Description

INFOID:000000006263183

DTC B1089 [SHORT] PRE-TEN FRONT LH

For front LH seat belt pre-tensioner, crash is judged by main "G" sensor output signal and Safing algorithm in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the air bag diagnosis sensor unit detects the deceleration caused by collision. It restrains the passenger with seat belt easing the stress on passengers chest with load limiter.

STRUCTURE

The restraint system for front seat occupant consists of the pre-tensioner mechanism and load limiter mechanism.

INSTALLATION

Front LH seat belt pre-tensioner is installed on the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263184

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1089	PRE-TEN FRONT LH [SHORT]	Front LH seat belt pre-tensioner circuit are shorted to each other	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front LH seat belt pre-tensioner • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-247. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263185

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.CHECK FRONT SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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SRC

B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263186

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263187

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1090 B1091 B1092 B1093	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none">Malfunction in air bag diagnosis sensor unitConfiguration in air bag diagnosis sensor unit does not match the vehicles specification

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-186, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-248, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263188

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-248, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263189

DTC B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263190

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1106 B1107 B1108 B1109 B1110 B1111	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-251. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1106, B1107, B1108, B1109, B1110, B1111 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-318](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263191

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

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SRC

B1113, B1114 SATELLITE SENS RH

Description

INFOID:000000006263192

DTC B1113, B1114 [UNIT FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU define the both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263193

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	RH satellite sensor is out of order	<ul style="list-style-type: none"> • Disconnection of wiring harness • Internal breakdown in RH satellite sensor • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-253, "Diagnosis Procedure"](#).
- NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1113, B1114 SATELLITE SENS RH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263194

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace RH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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B1115, B1116 SATELLITE SENS RH**Description**

INFOID:000000006263195

DTC B1115, B1116 [COMM FAIL] SATELLITE SENS RH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263196

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1115 B1116	SATELLITE SENS RH [COMM FAIL] [UNMATCH]	RH satellite sensor is out of order	<ul style="list-style-type: none"> • Disconnection of wiring harness • Internal breakdown in RH satellite sensor • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-255, "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**NOTE:**

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1115, B1116 SATELLITE SENS RH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263197

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace RH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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B1118, B1119 SATELLITE SENS LH

Description

INFOID:000000006263198

DTC B1118, B1119 [UNIT FAIL] SATELLITE SENS LH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263199

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	LH satellite sensor is out of order	<ul style="list-style-type: none"> • Disconnection of wiring harness • Internal breakdown in LH satellite sensor • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-257, "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1118, B1119 SATELLITE SENS LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263200

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace LH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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SRC

B1120, B1121 SATELLITE SENS LH**Description**

INFOID:000000006263201

DTC B1120, B1121 [COMM FAIL] SATELLITE SENS LH

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When ACU defines both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the G sensor element for side collision with output terminals for signal voltage.

INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263202

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1120	SATELLITE SENS LH [COMM FAIL]	LH satellite sensor is out of order	<ul style="list-style-type: none"> • Disconnection of wiring harness • Internal breakdown in LH satellite sensor • Internal breakdown in air bag diagnosis sensor unit
B1121	[UNMATCH]		

DTC CONFIRMATION PROCEDURE (With CONSULT-III)**1.INSPECTION START**

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-259, "Diagnosis Procedure"](#).
 NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)**NOTE:**

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1120, B1121 SATELLITE SENS LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263203

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK SATELLITE SENSOR

1. Replace LH satellite sensor.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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SRC

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263204

DTC B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263205

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1122 B1123 B1124 B1125 B1126 B1127	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

- YES >> Refer to [SRC-261. "Diagnosis Procedure"](#).
NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-318](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:0000000006263206

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

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B1129 SIDE MODULE RH

Description

INFOID:000000006263207

DTC B1129 [OPEN] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seat back with fixed nuts.

DTC Logic

INFOID:000000006263208

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1129	SIDE MODULE RH [OPEN]	Front RH side air bag module circuit is open	<ul style="list-style-type: none"> • Disconnection of wiring harness and open • Internal breakdown in front RH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-263, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263209

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-262. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
- NO >> **INSPECTION END**

4.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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SRC

B1130 SIDE MODULE RH

Description

INFOID:000000006263210

DTC B1130 [VB-SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side: LH satellite sensor, right side: RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263211

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1130	SIDE MODULE RH [VB-SHORT]	Front RH side air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front RH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-265, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263212

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-264, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
- NO >> **INSPECTION END**

4.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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SRC

B1131 SIDE MODULE RH

Description

INFOID:000000006263213

DTC B1131 [GND-SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263214

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1131	SIDE MODULE RH [GND-SHORT]	Front RH side air bag module circuit is shorted to ground	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front RH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-267, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263215

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-266. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
- NO >> **INSPECTION END**

4.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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SRC

B1132 SIDE MODULE RH

Description

INFOID:000000006263216

DTC B1132 [SHORT] SIDE MODULE RH

For front RH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front RH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front RH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263217

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1132	SIDE MODULE RH [SHORT]	Front RH side air bag module circuit are shorted to each other	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front RH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-269. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263218

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-268. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
- NO >> **INSPECTION END**

4.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front RH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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SRC

B1134 SIDE MODULE LH

Description

INFOID:000000006263219

DTC B1134 [OPEN] SIDE MODULE LH

For front LH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263220

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1134	SIDE MODULE LH [OPEN]	Front LH side air bag module circuit is open	<ul style="list-style-type: none"> • Disconnection of wiring harness and open • Internal breakdown in front LH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-271, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263221

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-270. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
- NO >> **INSPECTION END**

4.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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SRC

B1135 SIDE MODULE LH

Description

INFOID:000000006263222

DTC B1135 [VB-SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263223

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1135	SIDE MODULE LH [VB-SHORT]	Front LH side air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front LH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-273. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263224

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-272. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
- NO >> **INSPECTION END**

4.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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SRC

B1136 SIDE MODULE LH

Description

INFOID:000000006263225

DTC B1136 [GND-SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263226

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1136	SIDE MODULE LH [GND-SHORT]	Front LH side air bag module circuit is shorted to ground	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front LH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-275, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263227

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-274, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
- NO >> **INSPECTION END**

4.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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B1137 SIDE MODULE LH

Description

INFOID:000000006263228

DTC B1137 [SHORT] SIDE MODULE LH

For front LH side air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In the case of a collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

Front LH side air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

Front LH side air bag module is installed on the side of front seatback with fixed nuts.

DTC Logic

INFOID:000000006263229

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1137	SIDE MODULE LH [SHORT]	Front LH side air bag module circuit are shorted to each other	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in front LH side air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-277, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263230

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use un specified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
- NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
- NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-276. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
- NO >> **INSPECTION END**

4.CHECK FRONT SIDE AIR BAG MODULE

1. Replace front LH side air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263231

DTC B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263232

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1138 B1139 B1140 B1141 B1142 B1143	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-279. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1138, B1139, B1140, B1141, B1142, B1143 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart. [SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263233

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)
- Do not use unspecified tester or other measuring device.

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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B1144 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1144 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263234

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263235

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1144	Diagnosis sensor unit	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none">Malfunction in air bag diagnosis sensor unitConfiguration in air bag diagnosis sensor unit does not match the vehicles specification

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-186, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-280, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263236

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1144 DIAGNOSIS SENSOR UNIT

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-280, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1145 CURTAIN MODULE RH

Description

INFOID:00000000626327

DTC B1145 [OPEN] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:00000000626328

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1145	CURTAIN MODULE RH [OPEN]	RH side curtain air bag module circuit is open	<ul style="list-style-type: none"> • Disconnection of wiring harness and open • Internal breakdown in RH side curtain air bag module • Replace air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-283, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1145 CURTAIN MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263239

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-282. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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B1146 CURTAIN MODULE RH

Description

INFOID:000000006263240

DTC B1146 [VB-SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263241

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1146	CURTAIN MODULE RH [VB-SHORT]	RH side curtain air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in RH side curtain air bag module• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-285, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1146 CURTAIN MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263242

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-284, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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B1147 CURTAIN MODULE RH

Description

INFOID:000000006263243

DTC B1147 [GND-SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main “G” sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263244

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index (“SELF-DIAG [CURRENT]”), (“SELF-DIAG [PAST]” or “TROUBLE DIAG RECORD”)

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1147	CURTAIN MODULE RH [GND-SHORT]	RH side curtain air bag module circuit is shorted to ground	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in RH side curtain air bag module • Replace air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-287, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1147 CURTAIN MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263245

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-286. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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B1148 CURTAIN MODULE RH

Description

INFOID:000000006263246

DTC B1148 [SHORT] CURTAIN MODULE RH

For RH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

RH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

RH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263247

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1148	CURTAIN MODULE RH [SHORT]	RH side curtain air bag module circuit are shorted to each other	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Internal breakdown in RH side curtain air bag module • Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-289. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1148 CURTAIN MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263248

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-288. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace RH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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B1150 CURTAIN MODULE LH

Description

INFOID:000000006263249

DTC B1150 [OPEN] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263250

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1150	CURTAIN MODULE LH [OPEN]	LH side curtain air bag module circuit is open	<ul style="list-style-type: none">• Disconnection of wiring harness and open• Internal breakdown in LH side curtain air bag module• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-291, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1150 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263251

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-290. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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B1151 CURTAIN MODULE LH

Description

INFOID:000000006263252

DTC B1151 [VB-SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263253

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1151	CURTAIN MODULE LH [VB-SHORT]	LH side curtain air bag module circuit is shorted to some power supply circuit	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in LH side curtain air bag module• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-293, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1151 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263254

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-292. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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B1152 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1152 CURTAIN MODULE LH

Description

INFOID:000000006263255

DTC B1152 [GND-SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263256

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1152	CURTAIN MODULE LH [GND-SHORT]	LH side curtain air bag module circuit is shorted to ground	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in LH side curtain airbag module• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-295, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1152 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263257

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-294, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

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SRC

B1153 CURTAIN MODULE LH

Description

INFOID:000000006263258

DTC B1153 [SHORT] CURTAIN MODULE LH

For LH side curtain air bag module, crash is judged by main "G" sensor output signal (left side:LH satellite sensor, right side:RH satellite sensor) and Safing algorithm (in air bag diagnosis sensor unit).

OPERATION

In case of collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns and introduces the chemical reaction of gas generating materials to generate hot gases that flow into the air bag through a filter and expand the bag.

STRUCTURE

LH side curtain air bag module mainly consists of air bag and inflator which inflates air bag.

INSTALLATION

LH side curtain air bag module is installed on the roof side with fixed bolts.

DTC Logic

INFOID:000000006263259

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1153	CURTAIN MODULE LH [SHORT]	LH side curtain air bag module circuit are shorted to each other	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Internal breakdown in LH side curtain air bag module• Internal breakdown in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-297, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

B1153 CURTAIN MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to warning lamp flash code chart.[SRC-318](#).
NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263260

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Repair or replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Repair or replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-296. "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> **INSPECTION END**

4.CHECK SIDE CURTAIN AIR BAG MODULE

1. Replace LH side curtain air bag module.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-44. "Intermittent Incident"](#).

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SRC

B1154, B1155, B1156, B1157 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1154, B1155, B1156, B1157 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263261

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263262

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1154 B1155 B1156 B1157	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none">Malfunction in air bag diagnosis sensor unitConfiguration in air bag diagnosis sensor unit does not match the vehicles specification

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-186, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-298, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263263

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1154, B1155, B1156, B1157 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-298, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1170, B1171, B1172, B1173 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1170, B1171, B1172, B1173 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263264

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263265

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1170 B1171 B1172 B1173	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none">Malfunction in air bag diagnosis sensor unitConfiguration in air bag diagnosis sensor unit does not match the vehicles specification

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-186, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-300, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263266

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1170, B1171, B1172, B1173 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-300, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1186, B1187, B1188, B1189 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1186, B1187, B1188, B1189 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263267

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263268

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1186 B1187 B1188 B1189	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none">Malfunction in air bag diagnosis sensor unitConfiguration in air bag diagnosis sensor unit does not match the vehicles specification

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-186, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-302, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263269

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1186, B1187, B1188, B1189 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-302, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263270

DTC B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and front passenger air bag, front side air bag, side curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263271

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1202 B1203 B1204 B1205 B1206 B1207	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none">Internal breakdown in air bag diagnosis sensor unitMis-match between specification on vehicle and configuration in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-305. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.INSPECTION START

Turn ignition switch ON.

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the air bag warning lamp status.

Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.[SRC-318](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263272

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (To discharge backup capacitor.)**
- **Do not use unspecified tester or other measuring device.**

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace wiring harness.

3.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit.

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

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

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B1209 FRONTAL COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1209 FRONTAL COLLISION DETECTION

Description

INFOID:000000006263273

DTC B1209 FRONTAL COLLISION DETECTION

When detect a component damage resulting from a front collision, blinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

OPERATION

The air bags and seat belt pre-tensioners for driver and front passenger are operated by the decision of the air bag diagnosis sensor unit out signal transmitted because of the frontal collision.

STRUCTURE

It consists of crash zone sensor, air bag diagnosis sensor unit, air bags and seat belt pre-tensioners for driver and front passenger.

INSTALLATION

Refer to [SR-37, "Removal and Installation"](#), [SR-43, "Removal and Installation"](#), [SB-7, "SEAT BELT RETRAC-TOR : Removal and Installation"](#), [SR-49, "Removal and Installation"](#), [SR-53, "Removal and Installation"](#).

DTC Logic

INFOID:000000006263274

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1209	FRONTAL COLLISION DETECTION	Front seat belt pre-tensioner, front air bag is deployed	—

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-306, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263275

WARNING:

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

1.PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis.Refer to [SR-31, "FOR FRONTAL COLLISION : When SRS is activated in a collision"](#) or [SR-32, "FOR FRONTAL COLLISION : When SRS is not activated in a collision"](#).

Is collision diagnosis complete?

YES >> GO TO 2.

B1209 FRONTAL COLLISION DETECTION

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

NO >> INSPECTION END

2.FINAL INSPECTION

Perform "AIR BAG" Self Diagnostic Result.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Perform diagnosis of applicable DTC.Refer to [SRC-318, "DTC Index"](#).

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B1210 SIDE COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1210 SIDE COLLISION DETECTION

Description

INFOID:000000006263276

DTC B1210 SIDE COLLISION DETECTION

When detect a component damage resulting from a side collision, brinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

OPERATION

The front side air bag and side curtain air bag are operated by the decision of the air bag diagnosis sensor unit signal of the side collision.

STRUCTURE

It consists of satellite sensor, air bag diagnosis sensor unit, front side air bag and side curtain air bag.

INSTALLATION

Refer to [SR-47, "Removal and Installation"](#), [SR-45, "Removal and Installation"](#), [SR-47, "Removal and Installation"](#).

DTC Logic

INFOID:000000006263277

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1210	SIDE COLLISION DETECTION	Front side air bag, side curtain air bag is deployed	—

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-308, "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263278

WARNING:

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

1.PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis.Refer to [SR-33, "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision"](#) or [SR-34, "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision"](#).

Is collision diagnosis complete?

YES >> GO TO 2.

NO >> **INSPECTION END**

B1210 SIDE COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

2.FINAL INSPECTION

Perform "AIR BAG" Self Diagnostic Result.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Perform diagnosis of applicable DTC.Refer to [SRC-318."DTC Index"](#).

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B1211 ROLLOVER DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1211 ROLLOVER DETECTION

Description

INFOID:000000006263279

DTC B1211 ROLLOVER DETECTION

When detect a component damage resulting from a rollover, brinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning can be detected by the CONSULT-III.

OPERATION

The front seat belt pre-tensioner and side curtain air bag are operated by the decision of the air bag diagnosis sensor unit signal of the rollover.

STRUCTURE

It consists of front seat belt pre-tensioner, side curtain air bag and air bag diagnosis sensor unit.

INSTALLATION

Refer to [SR-47. "Removal and Installation"](#), [SR-45. "Removal and Installation"](#) and [SR-51. "Removal and Installation"](#).

DTC Logic

INFOID:000000006263280

DTC DETECTION LOGIC

With CONSULT-III

DTC No. Index ("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1211	ROLLOVER DETECTION	Front seat belt pre-tensioner, side curtain air bag module are deployed because of rollover detection	—

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> Refer to [SRC-310. "Diagnosis Procedure"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure

INFOID:000000006263281

WARNING:

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

1.PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis.Refer to [SR-33. "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision"](#) or [SR-34. "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision"](#).

Is collision diagnosis complete?

YES >> GO TO 2.

B1211 ROLLOVER DETECTION

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

NO >> INSPECTION END

2.FINAL INSPECTION

Perform "AIR BAG" Self Diagnostic Result.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Peform diagnosis of applicable DTC.Refer to [SRC-318, "DTC Index"](#).

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B1212, B1213, B1214 RH1 SAT-SENS

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1212, B1213, B1214 RH1 SAT-SENS

Description

INFOID:000000006263282

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When air bag diagnosis sensor unit judges both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263283

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1212 B1213 B1214	RH1 SAT-SENS	RH satellite sensor is malfunctioning	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in RH satellite sensor• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-186. "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-312. "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263284

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace wiring harness.

B1212, B1213, B1214 RH1 SAT-SENS

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

3. REPLACE SATELLITE SENSOR

1. Replace RH satellite sensor. Refer to [SR-51, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-312, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.
NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-312, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.
NO >> INSPECTION END

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B1215, B1216, B1217 LH1 SAT-SENS

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1215, B1216, B1217 LH1 SAT-SENS

Description

INFOID:000000006263285

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When air bag diagnosis sensor unit judges both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

INSTALLATION

LH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC Logic

INFOID:000000006263286

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1215 B1216 B1217	LH1 SAT-SENS	LH satellite sensor is malfunctioning	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in LH satellite sensor• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-186. "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-314. "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263287

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.
NO >> Replace wiring harness.

B1215, B1216, B1217 LH1 SAT-SENS

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

3. REPLACE SATELLITE SENSOR

1. Replace LH satellite sensor. Refer to [SR-51, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-314, "DTC Logic"](#)

Is DTC detected?

- YES >> GO TO 4.
- NO >> INSPECTION END

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-314, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 1.
- NO >> INSPECTION END

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SRC

B1218, B1219 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1218, B1219 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000006263288

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

DTC Logic

INFOID:000000006263289

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1218 B1219	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none">Malfunction in air bag diagnosis sensor unitConfiguration in air bag diagnosis sensor unit does not match the vehicle specification

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-186, "Diagnosis Description"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-316, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000006263290

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

- YES >> GO TO 2.
NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

- YES >> GO TO 3.

B1218, B1219 DIAGNOSIS SENSOR UNIT

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-53, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-316, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:000000006263291

DTC No. Index (With CONSULT-III)

("SELF-DIAG [CURRENT]"), ("SELF-DIAG [PAST]" or "TROUBLE DIAG RECORD")

NOTE:

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

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
NO DTC IS DETECT- ED.	Malfunction is indicated by the "AIR BAG" warning lamp in User mode <ul style="list-style-type: none"> Low battery voltage (Less than 9 V) Self-diagnosis result "SELF-DIAG [PAST]" (previously stored in the memory) might not be erased after repair Intermittent malfunction has been detected in the past 	Go to SRC-186, "Diagnosis Description"
	<ul style="list-style-type: none"> No malfunction is detected 	—
CONTROL UNIT [B1001-B1015] [B1026-B1031]	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is out of order or mis-match 	Replace air bag diagnosis sensor unit
CRASH ZONE SEN [UNIT FAIL] [B1033] [B1034] CRASH ZONE SEN [COMM FAIL] [B1035] [UNMATCH] [B1036] [OPEN/UPR-VB-SHORT] [B1038] [SHORT/UPR-GND-SHORT] [B1040]	<ul style="list-style-type: none"> Crash zone sensor is out of order 	1. Repair or replace wiring harness/harness connector 2. Replace crash zone sensor 3. Replace air bag diagnosis sensor unit
CRASH ZONE SEN1 [B1037] [B1039] [B1041]	Crash zone sensor is malfunctioning	1. Repair or replace wiring harness/harness connector 2. Replace crash zone sensor 3. Replace air bag diagnosis sensor unit
CONTROL UNIT [B1042-B1047]	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is out of order or mis-match 	Replace air bag diagnosis sensor unit

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	A
DRIVER AIRBAG MODULE [OPEN] [B1049] [B1054]	• Driver air bag module circuit is open (including the spiral cable)	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector 2. Replace driver air bag module 3. Replace spiral cable. Refer to SRC-207, "Diagnosis Procedure". 4. Replace air bag diagnosis sensor unit 	B
DRIVER AIRBAG MODULE [VB-SHORT] [B1050] [B1055]	• Driver air bag module circuit is shorted to some power supply circuit (including the spiral cable)		C
DRIVER AIRBAG MODULE [GND-SHORT] [B1051] [B1056]	• Driver air bag module circuit is shorted to ground (including the spiral cable)		D
DRIVER AIRBAG MODULE [SHORT] [B1052] [B1057]	• Driver air bag module circuits are shorted to each other (including spiral cable)		E
CONTROL UNIT [B1058-B1063]	• Air bag diagnosis sensor unit is out of order or mis-match	Replace air bag diagnosis sensor unit	F
ASSIST A/B MODULE [OPEN] [B1065] [B1070]	• Front passenger air bag module circuit is open	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector 2. Replace front passenger air bag module 3. Replace air bag diagnosis sensor unit 	G
ASSIST A/B MODULE [VB-SHORT] [B1066] [B1071]	• Front passenger air bag module circuit is shorted to some power supply circuit		SRC
ASSIST A/B MODULE [GND-SHORT] [B1067] [B1072]	• Front passenger air bag module circuit is shorted to ground		I
ASSIST A/B MODULE [SHORT] [B1068] [B1073]	• Front passenger air bag module circuits are shorted to each other		J
CONTROL UNIT [B1074-B1079]	• Air bag diagnosis sensor unit is out of order or mis-match	Replace air bag diagnosis sensor unit	K
DRIVER AIRBAG MODULE [SHORT] [B1080] [B1096]	Driver air bag module circuits are shorted to each other (including spiral cable)	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/harness connector 2. Replace driver air bag module 3. Replace spiral cable. Refer to SRC-230, "Diagnosis Procedure". 4. Replace air bag diagnosis sensor unit 	L
PRE-TEN FRONT RH [OPEN] [B1081]	• Front RH seat belt pre-tensioner circuit is open		M
PRE-TEN FRONT RH [VB-SHORT] [B1082]	• Front RH seat belt pre-tensioner circuit is shorted to some power supply circuit		N
PRE-TEN FRONT RH [GND-SHORT] [B1083]	• Front RH seat belt pre-tensioner circuit is shorted to ground		O
PRE-TEN FRONT RH [SHORT] [B1084]	• Front RH seat belt pre-tensioner circuits are shorted to each other		P

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
PRE-TEN FRONT LH [OPEN] [B1086]	<ul style="list-style-type: none"> Front LH seat belt pre-tensioner circuit is open 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace front LH seat belt pre-tensioner Replace air bag diagnosis sensor unit
PRE-TEN FRONT LH [VB-SHORT] [B1087]	<ul style="list-style-type: none"> Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit 	
PRE-TEN FRONT LH [GND-SHORT] [B1088]	<ul style="list-style-type: none"> Front LH seat belt pre-tensioner circuit is shorted to ground 	
PRE-TEN FRONT LH [SHORT] [B1089]	<ul style="list-style-type: none"> Front LH seat belt pre-tensioner circuits are shorted to each other 	
CONTROL UNIT [B1090-B1093]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit
CONTROL UNIT [B1106-B1111]	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is out of order or mis-match 	Replace air bag diagnosis sensor unit
SATELLITE SENS RH [UNIT FAIL] [B1113] [B1114] SATELLITE SENS RH [COMM FAIL] [B1115] [UNMATCH] [B1116]	<ul style="list-style-type: none"> RH satellite sensor is out of order 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace RH satellite sensor Replace air bag diagnosis sensor unit
SATELLITE SENS LH [UNIT FAIL] [B1118] [B1119] SATELLITE SENS LH [COMM FAIL] [B1120] [UNMATCH] [B1121]	<ul style="list-style-type: none"> LH satellite sensor is out of order 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace LH satellite sensor Replace air bag diagnosis sensor unit
CONTROL UNIT [B1122-B1127]	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is out of order or mis-match 	Replace air bag diagnosis sensor unit
SIDE MODULE RH [OPEN] [B1129]	<ul style="list-style-type: none"> Front RH side air bag module circuit is open 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace front RH side air bag module Replace air bag diagnosis sensor unit
SIDE MODULE RH [VB-SHORT] [B1130]	<ul style="list-style-type: none"> Front RH side air bag module circuit is shorted to some power supply circuit 	
SIDE MODULE RH [GND-SHORT] [B1131]	<ul style="list-style-type: none"> Front RH side air bag module circuit is shorted to ground 	
SIDE MODULE RH [SHORT] [B1132]	<ul style="list-style-type: none"> Front RH side air bag module circuits are shorted to each other 	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	
SIDE MODULE LH [OPEN] [B1134]	• Front LH side air bag module circuit is open	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/ harness connector 2. Replace front LH side air bag module 3. Replace air bag diagnosis sensor unit 	A
SIDE MODULE LH [VB-SHORT] [B1135]	• Front LH side air bag module circuit is shorted to some power supply circuit		B
SIDE MODULE LH [GND-SHORT] [B1136]	• Front LH side air bag module circuit is shorted to ground		C
SIDE MODULE LH [SHORT] [B1137]	• Front LH side air bag module circuits are shorted to each other		D
CONTROL UNIT [B1138-B1143]	• Air bag diagnosis sensor unit is out of order or mis-match	Replace air bag diagnosis sensor unit	E
CONTROL UNIT [B1144]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit	F
CURTAIN MODULE RH [OPEN] [B1145]	• RH side curtain air bag module circuit is open	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/ harness connector 2. Replace RH side curtain air bag module 3. Replace air bag diagnosis sensor unit 	G
CURTAIN MODULE RH [VB-SHORT] [B1146]	• RH side curtain air bag module circuit is shorted to some power supply circuit		SRC
CURTAIN MODULE RH [GND-SHORT] [B1147]	• RH side curtain air bag module circuit is shorted to ground		I
CURTAIN MODULE RH [SHORT] [B1148]	• RH side curtain air bag module circuits are shorted to each other		J
CURTAIN MODULE LH [OPEN] [B1150]	• LH side curtain air bag module circuit is open	<ol style="list-style-type: none"> 1. Repair or replace wiring harness/ harness connector 2. Replace LH side curtain air bag module 3. Replace air bag diagnosis sensor unit 	K
CURTAIN MODULE LH [VB-SHORT] [B1151]	• LH side curtain air bag module circuit is shorted to some power supply circuits		L
CURTAIN MODULE LH [GND-SHORT] [B1152]	• LH side curtain air bag module circuit is shorted to ground		M
CURTAIN MODULE LH [SHORT] [B1153]	• LH side curtain air bag module circuits are shorted to each other		N
CONTROL UNIT [B1154-B1157]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit	O
CONTROL UNIT [B1170-B1173]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit	P
CONTROL UNIT [B1186-B1189]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit	P
CONTROL UNIT [B1202-B1207]	• Air bag diagnosis sensor is out of order or mis-match	Replace air bag diagnosis sensor unit	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
FRONTAL COLLISION DETECTION [B1209]	<ul style="list-style-type: none"> Seat belt pre-tensioner and front air bags is deployed 	Go to SRC-306, "Diagnosis Procedure"
SIDE COLLISION DETECTION [B1210]	<ul style="list-style-type: none"> Front side air bag and curtain air bag is deployed 	Go to SRC-308, "Diagnosis Procedure"
ROLLOVER DETECTION [B1211]	<ul style="list-style-type: none"> Front seat belt pre-tensioner, side curtain air bag are deployed because of rollover detection 	Go to SRC-310, "Diagnosis Procedure"
RH1 SAT-SENS [B1212] [B1213] [B1214]	RH satellite sensor is malfunctioning	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace RH satellite sensor Replace air bag diagnosis sensor unit
LH1 SAT-SENS [B1215] [B1216] [B1217]	LH satellite sensor is malfunctioning	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector Replace LH satellite sensor Replace air bag diagnosis sensor unit
CONTROL UNIT [B1218] [B1219]	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	Replace air bag diagnosis sensor unit

WARNING LAMP FLASH CODE CHART (Without CONSULT-III)

NOTE:

Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp or CONSULT-III each time repair is completed. 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. IGN ON 	<ol style="list-style-type: none"> Erase memory. (Once key switch is turned from OFF to ON, TROUBLE DIAG RECORD will be erased.)

PHIA0532E

<Air bag diagnosis sensor unit>

Flash pattern	Repair order
a through d are repeated. d: Seven flashes indicate malfunctioning air bag diagnosis sensor unit circuit. 	<ol style="list-style-type: none"> Replace the air bag diagnosis sensor unit.

JMHA0523GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

<Crash zone sensor>	
Flash pattern	Repair order
<p>a through d are repeated. d: Six flashes indicate malfunctioning crash zone sensor circuit.</p> <p>ON OFF</p> <p>7 sec. 3 sec. 2 sec. 2 sec. 0.5 sec. 2 sec. 3 sec.</p> <p>a b c d a b</p> <p>6 flashes</p>	<ol style="list-style-type: none"> 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.

JMHIA0526GB

<Driver air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuit.</p> <p>ON OFF</p> <p>7 sec. 3 sec. 2 sec. 2 sec. 0.5 sec. 2 sec. 3 sec.</p> <p>a b c d a b</p> <p>2 flashes</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the driver air bag module. 4. Replace the spiral cable. 5. Replace the air bag diagnosis sensor unit.

JMHIA0527GB

<Front passenger air bag module>	
Flash pattern	Repair order
<p>a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.</p> <p>ON OFF</p> <p>7 sec. 3 sec. 2 sec. 2 sec. 0.5 sec. 2 sec. 3 sec.</p> <p>a b c d a b</p> <p>8 flashes</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front passenger air bag module. 4. Replace the air bag diagnosis sensor unit.

JMHIA0528GB

<Front RH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.</p> <p>ON OFF</p> <p>7 sec. 3 sec. 2 sec. 2 sec. 0.5 sec. 2 sec. 3 sec.</p> <p>a b c d a b</p> <p>1 flash</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front RH seat belt assembly. 4. Replace the air bag diagnosis sensor unit.

JMHIA0529GB

<Front LH seat belt pre-tensioner>	
Flash pattern	Repair order
<p>a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.</p> <p>ON OFF</p> <p>7 sec. 3 sec. 2 sec. 2 sec. 0.5 sec. 2 sec. 3 sec.</p> <p>a b c d a b</p> <p>3 flashes</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front LH seat belt assembly. 4. Replace the air bag diagnosis sensor unit.

JMHIA0530GB

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

<RH satellite sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Three flashes indicate malfunctioning RH satellite sensor circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH satellite sensor. 4. Replace the air bag diagnosis sensor unit.

JMHIA0531GB

<LH satellite sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Four flashes indicate malfunctioning LH satellite sensor.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH satellite sensor. 4. Replace the air bag diagnosis sensor unit.

JMHIA0532GB

<Front RH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: One flash indicates malfunctioning front RH side air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front RH side air bag module. 4. Replace the air bag diagnosis sensor unit.

JMHIA0533GB

<Front LH side air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front LH side air bag module. 4. Replace the air bag diagnosis sensor unit.

JMHIA0534GB

<RH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side curtain air bag module. 4. Replace the air bag diagnosis sensor unit.

JMHIA0535GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

<LH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p> <p style="text-align: right; font-size: small;">JMHA0536GB</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side curtain air bag module. 4. Replace the air bag diagnosis sensor unit.

<Air bag diagnosis sensor unit>	
Flash pattern	Repair order
<p>a through d are repeated. d: Seventeen flashes indicate mis-installation of air bag diagnosis sensor unit.</p> <p style="text-align: right; font-size: small;">JMHA0537GB</p>	<ol style="list-style-type: none"> 1. Replace the air bag diagnosis sensor unit.

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DIAGNOSIS SENSOR UNIT

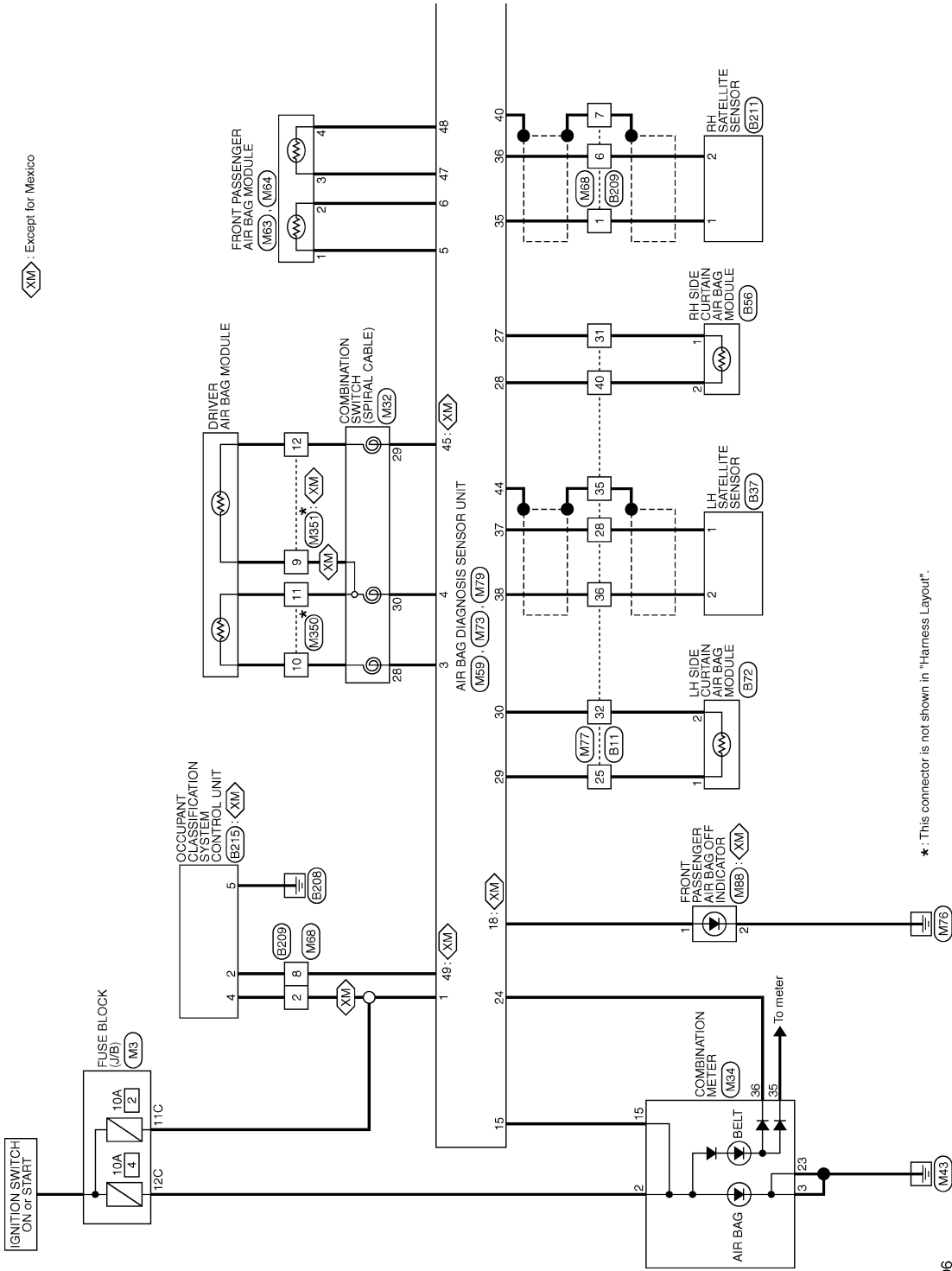
< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

Wiring Diagram — SRS AIR BAG CONTROL SYSTEM —

INFOID:000000006882328

SRS AIR BAG CONTROL SYSTEM



(XM) : Except for Mexico

* : This connector is not shown in "Harness Layout".

2010/09/06

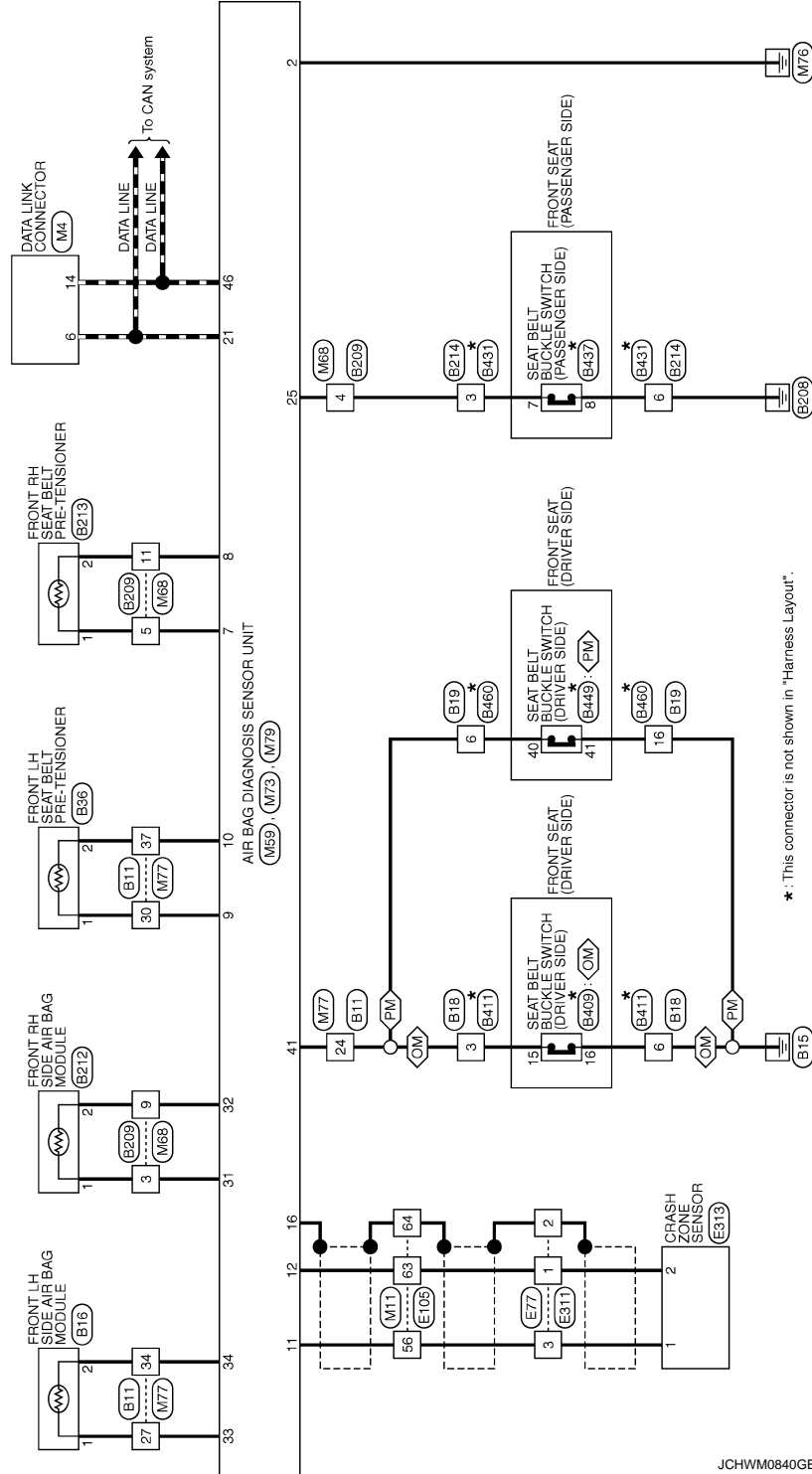
JCHWM0839GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

◊ PM : With automatic drive positioner
 ◊ OM : Without automatic drive positioner



*: This connector is not shown in "Harness Layout".

JCHWM0840GB

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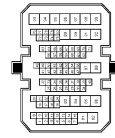
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS19



Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	
2	B	
3	R/L	
4	R/W	
5	SB	
6	P	
7	V	
8	SHIELD	
9	BR/L	
10	Y/G	
11	Y/L	
12	W/L	
13	L	
14	BR	
15	SB	
16	BR	
17	V	
18	SB	
19	R	
20	P	
21	LG	
22	W	
23	Y	
24	GR	
25	Y	
27	V	
28	W/L	
30	P	
31	O	
32	BR	
34	SB	
35	SHIELD	
36	L/O	
37	LG	
40	Y	
41	GR	
42	SB	
46	LG	

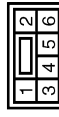
47	SB	
48	SHIELD	
49	B	
50	R/W	
51	R/L	
52	B	
53	Y	
54	LG	
55	BR	
56	P	
57	L	
58	R	
59	SHIELD	
60	B	
61	R/L	
62	R/W	
63	LG	
64	Y	
65	BR	
66	V	
67	GR	
68	R	
69	SHIELD	
70	W/R	
71	B/R	
72	Y	
73	LG	
74	SB	
75	L	
76	G	
77	R	
79	B	
80	W	
81	R	
82	L	
83	BR	
84	O	
85	G	
86	SB	
87	R	
88	G	
89	GR	
90	Y	
91	G	
92	BR	
93	G	
94	V	
95	BR	
96	GR	
97	R	
98	LG	
99	O	

Connector No.	B16
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TKGZFY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	
2	SB	

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	
2	B	
3	GR	
4	O	
5	C	
6	B/W	

Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	
2	L	
3	W	
4	P	
5	V	
6	GR	
7	B	
8	Y	
9	P	
10	LG	
11	R	
12	SB	
13	O	
14	BR	
15	G	
16	B/W	

Connector No.	E36
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACR02FY



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	
2	LG	

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM

Connector No.	B37
Connector Name	LH SATELLITE SENSOR
Connector Type	HK02FY-1V-EX



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

Connector No.	B56
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACB02FY



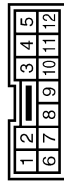
Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	Y	-

Connector No.	B72
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACB02FY



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

Connector No.	B209
Connector Name	WIRE TO WIRE
Connector Type	TK12MG-Y-BD



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	L	-
4	BR	-
5	Y	-
6	G	-
7	SHIELD	-
8	LG	-
9	P	-
11	SB	-

Connector No.	B211
Connector Name	RH SATELLITE SENSOR
Connector Type	HK02FY-1V-EX



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

Connector No.	B212
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V



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

Connector No.	B213
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACB02FY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	SB	-

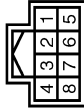
Connector No.	B214
Connector Name	WIRE TO WIRE
Connector Type	INS08FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	B	-

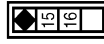
3	BR	-
4	GR	-
5	C	-
6	B/W	-

Connector No.	B215
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	COMMUNICATION
4	W	IGN
5	B	GND

Connector No.	B409
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	AG3MW-P



Terminal No.	Color of Wire	Signal Name [Specification]
15	W/G	-
16	GR	-

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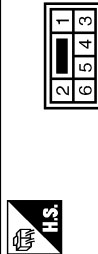
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

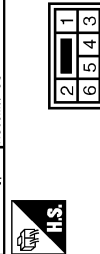
SRS AIR BAG CONTROL SYSTEM

Connector No.	B411
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	W/G	-
4	GR	-
5	B/R	-
6	GR	-

Connector No.	B431
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	W/G	-
4	W/R	-
5	B/R	-
6	GR	-

Connector No.	B437
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	A03MW-P



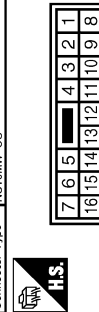
Terminal No.	Color of Wire	Signal Name [Specification]
7	W/G	-
8	GR	-

Connector No.	B449
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A03MW-P



Terminal No.	Color of Wire	Signal Name [Specification]
40	W/G	-
41	GR	-

Connector No.	B460
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	P	-

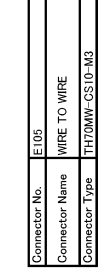
3	G/O	-
4	O/L	-
5	BR	-
8	W/G	-
7	B	-
8	W/L	-
9	P/L	-
10	L/O	-
11	V	-
12	V/W	-
13	W/R	-
14	BR/W	-
15	B/R	-
16	GR	-

Connector No.	E77
Connector Name	WIRE TO WIRE
Connector Type	RK03MB



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	THF0MW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	-
5	LG	-
6	GR	-

6	G	-
11	P	-
12	L	-
13	Y	-
14	O	-
15	BR	-
20	Y	-
21	BR	-
22	P	-
24	L	-
25	O	-
28	SB	-
29	W	-
30	Y	-
47	P	-
48	L	-
49	SB	-
50	GR	-
51	LG	-
52	V	-
53	GR	-
54	BR	-
55	Y	-
56	W/L	-
60	V	-
61	BR	-
62	O	-
63	L/O	-
64	SHIELD	-
66	W	-
67	BR	-
68	Y	-
69	SB	-
70	GR	-
71	SB	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	O	-
78	Y	- [With navigation system]
78	G	- [With iPod without navigation system]
78	V	- [Without iPod and navigation system]
79	Y	-
80	R	-
81	W	-
82	LG	-
83	O	-

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM

Connector No.	E311
Connector Name	WIRE TO WIRE
Connector Type	RK03FB-BD



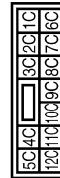
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	SHIELD	-
3	O	-

Connector No.	E313
Connector Name	GRASH ZONE SENSOR
Connector Type	HK02FY-IV-EX



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

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
6C	BR	-

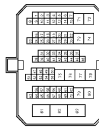
7C	B	-
8C	G	-
9C	GR	-
10C	SB	-
11C	R	-
12C	O	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	O	-
8	G	-
11	SB	-
14	P	-
16	Y	-

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TR70PW-CS10-M3



Terminal No.	Color of Wire	Signal Name [Specification]
3	P	-
5	O	-
6	G	-
8	R	-
11	P	-

12	L	-
13	V	-
14	Y	-
15	R	-
20	Y	-
21	BR	-
22	G	-
24	Y	-
25	L	-
28	BR	-
29	L	-
30	R	-
47	P	-
48	L	-
49	W	-
50	GR	-
51	LG	-
52	Y	-
53	V	-
54	SB	-
55	P	-
56	SB	-
60	V	-
61	GR	-
62	O	-
63	V	-
64	SHIELD	-
66	W	-
67	R	-
68	W	-
69	P	-
70	G	-
71	G	-
72	BR	-
73	L	-
74	W	-
75	BR	-
76	R	-
77	G	-
78	Y	-
79	G	-
80	R	-
81	W	-
82	W	-
83	O	-

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-IV



Terminal No.	Color of Wire	Signal Name [Specification]
23	R	-
28	Y	-
29	Y/V	-
30	Y	-

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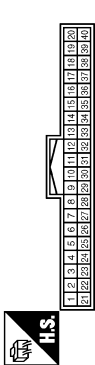
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH407V-NH



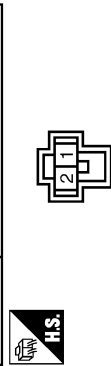
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	BAT
2	O	IGN
3	B	GROUND
4	B	GROUND
5	SB	ILLUMINATION CONTROL
8	SB	TRIP RESET SWITCH
9	W	SW ILL POWER
10	O	METER CONTROL SW GND
11	L	ENTER SWITCH
12	R	SELECT SWITCH
13	Y	ILLUMINATION CONTROL SWITCH (1) (See accessories drive position)
14	GR	ILLUMINATION CONTROL SWITCH (2)
15	BR	AIR BAG
18	L	AMBIENT SENSOR
19	P	AMBIENT SENSOR POWER
20	Y	AMBIENT SENSOR GROUND
21	L	CAN-H
22	P	CAN-L
23	B	GROUND
24	W	FUEL LEVEL SENSOR GROUND
25	BR	CHG
26	G	PARKING BRAKE SWITCH
27	V	BRAKE FLUID LEVEL SWITCH
29	R	WASHER LEVEL SWITCH
30	P	VEHICLE SPEED (2-PULSE)
31	V	VEHICLE SPEED (8-PULSE)
32	LG	OD OFF / SPORTS
34	G	FUEL LEVEL SENSOR
35	SB	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
36	R	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)

Connector No.	M59
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-2V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	ELR LH+
10	Y	ELR LH-
29	Y	INF CURTAIN LH+
30	BR	INF CURTAIN LH-
33	Y	SIDE INF LH+
34	Y	SIDE INF LH-
37	R	SIDE SENS LH+
38	G	SIDE SENS LH-
41	SB	BUCKLE SW LH
44	SHIELD	GND

Connector No.	M63
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	JCA02FB



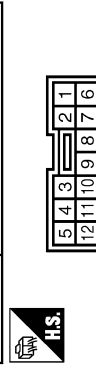
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	M64
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	JCA02FOR



Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	-
4	Y	-

Connector No.	M68
Connector Name	WIRE TO WIRE
Connector Type	TK12FG-Y



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	Y	-
4	L	-
5	V	-
8	G	-
7	SHIELD	-
9	Y	-
11	Y	-

Connector No.	M73
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DR 1+
4	Y	INFLATOR DR L & DR 2-
5	Y	INFLATOR DR 1+
6	Y	INFLATOR AS 1-
11	SB	EGCS+
12	V	EGCS-
15	BR	A/B W/L
16	SHIELD	GND
18	V	A/B CUTOFF TELLTALE
21	L	CAN-H
24	R	SEATBELT W/L
45	Y	INFLATOR DR 2+
46	P	CAN-L
47	Y	INFLATOR AS 2+
48	Y	INFLATOR AS 2-
49	V	ODS INPUT

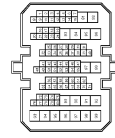
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-C51.9



Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	
2	B	
3	W	
4	R	
5	Y	
6	W	
7	G	
8	SHIELD	
9	W	
10	R	
11	G	
12	B	
13	O	
14	R	
15	SB	
16	R	
17	V	
18	P	
19	P	
20	LG	
21	Y	
22	O	
23	LG	
24	SB	
25	Y	
27	Y	
28	R	
30	Y	
31	W	
32	BR	
34	Y	
35	SHIELD	
36	G	
37	Y	
40	O	
41	LG	
42	SB	
46	LG	

47	SR	
48	SHIELD	
49	R	
50	LG	
51	V	
52	B	
53	BR	
54	B	
55	G	
56	P	
57	L	
58	SB	
59	SHIELD	
60	B	
61	R	
62	W	
63	O	
64	Y	
65	Y	
66	V	
67	GR	
68	G	
69	SHIELD	
70	L	
71	R	
72	LG	
73	Y	
74	R	
75	P	
76	L	
77	BR	
79	B	
80	W	
81	LG	
82	L	
83	W	
83	GR	-- [With automatic drive positioner]
84	R	-- [Without automatic drive positioner]
85	V	
86	W	
87	R	
88	G	
89	B	
90	O	
91	G	
92	BR	
93	P	
94	V	
95	O	
96	SB	
97	L	
98	LG	

98	Y	--
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Connector No.	M79
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-IV-EX

Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	ELR RH+
8	Y	ELR RH+
25	L	BUCKLE SW RH
27	W	INF CURTAIN RH+
28	O	INF CURTAIN RH-
31	Y	SIDE INF RH+
32	Y	SIDE INF RH-
35	R	SIDE SENS RH+
36	G	SIDE SENS RH-
40	SHIELD	GND

Connector No.	M88
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TKG3FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	
2	B	

Connector No.	M850
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACAG2FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
10	--	
11	--	

Connector No.	M851
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACAG2FOR



Terminal No.	Color of Wire	Signal Name [Specification]
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SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

[FOR MEXICO]

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:000000006263293

1. CHECK FRONT AIR BAG MODULE

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to [SRC-306, "Diagnosis Procedure"](#) or [SRC-308, "Diagnosis Procedure"](#).

NO >> GO TO 2.

2. CHECK AIR BAG FUSE

Check the air bag fuse. Refer to [PG-113, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.2, located in fuse block (J/B)] normal?

YES >> GO TO 4.

NO >> GO TO 3.

3. CHECK AIR BAG FUSE AGAIN

Replace air bag fuse and turn ignition switch ON.

Did the air bag fuse blow again?

YES >> Repair or replace main harness.

NO >> **INSPECTION END**

4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace air bag diagnosis sensor unit. Refer to [SR-53, "Removal and Installation"](#).

5. CHECK HARNESS CONNECTION

Check harness connection between air bag warning lamp and air bag diagnosis sensor unit.

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

NO >> Replace wiring harness connector.

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

[FOR MEXICO]

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:000000006263294

1.CHECK METER FUSE

Check the meter fuse. Refer to [PG-113, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.4, located in fuse block (J/B)] normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK METER FUSE AGAIN

Replace 10A fuse [No.4, located in fuse block (J/B)] and turn ignition switch ON.

Did the meter fuse blow again?

YES >> Repair or replace the related harness.

NO >> **INSPECTION END**

3.CHECK HARNESS CONNECTION

1. Check harness connection between air bag diagnosis sensor unit and combination meter.

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

Did air bag warning lamp turn ON?

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-53, "Removal and Installation"](#).

NO >> Replace combination meter assembly. Refer to [MWI-105, "Removal and Installation"](#).

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

INFOID:000000006263295

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

WARNING:

Always observe the following items for preventing accidental activation.

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that 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 "SRS AIR BAG".**
- **Never 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:**

Always observe the following items for preventing accidental activation.

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never 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.**

Service

INFOID:000000006263296

- 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 battery negative terminal and wait at least 3 minutes.
For approximately 3 minutes after the battery negative terminal is removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, do not work on any SRS connectors or wires until at least 3 minutes have elapsed.
- Diagnosis sensor unit must always be installed with their arrow marks "⇐" pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper functioning after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.