

SECTION **SRC**

SRS AIRBAG CONTROL SYSTEM

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

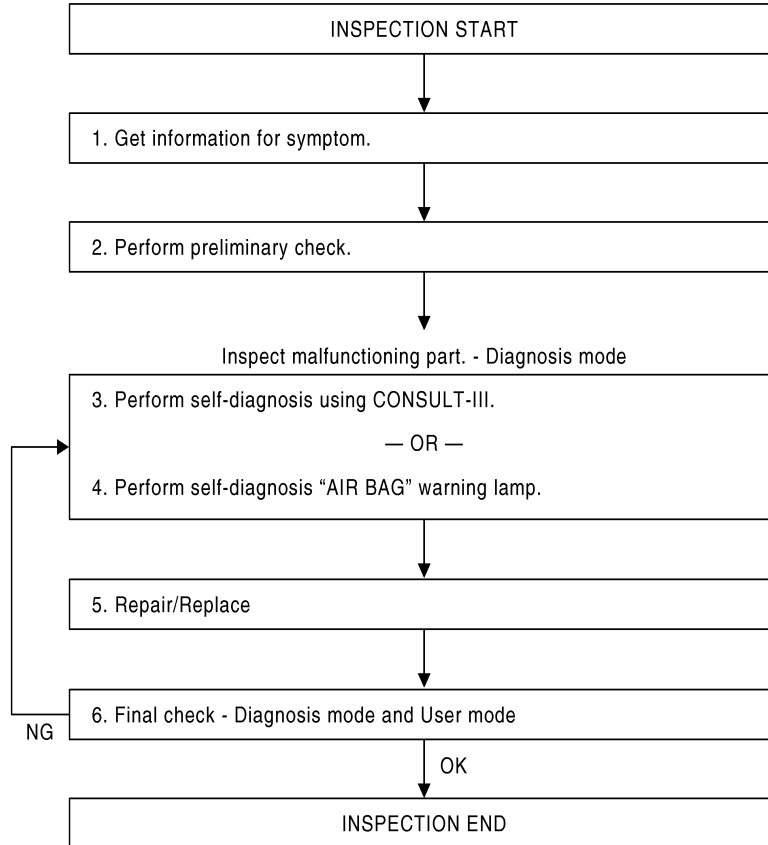
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

DETAILED FLOW

1.GET INFORMATION FOR SYMPTOM

Get the detailed information from 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 the inspection result normal?

YES >> GO TO 3 or GO TO 4.

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

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

Check the screen of CONSULT-III.

Is malfunctioning part detected?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

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

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-15, "Diagnosis Description"](#).

>> GO TO 6.

6.FINAL CHECK

Check the screen of CONSULT-III and /or Air bag warning lamp status.

Are all malfunctions corrected?

YES >> **INSPECTION END.**

NO >> GO TO 3 or GO TO 4.

SRS AIR BAG SYSTEM

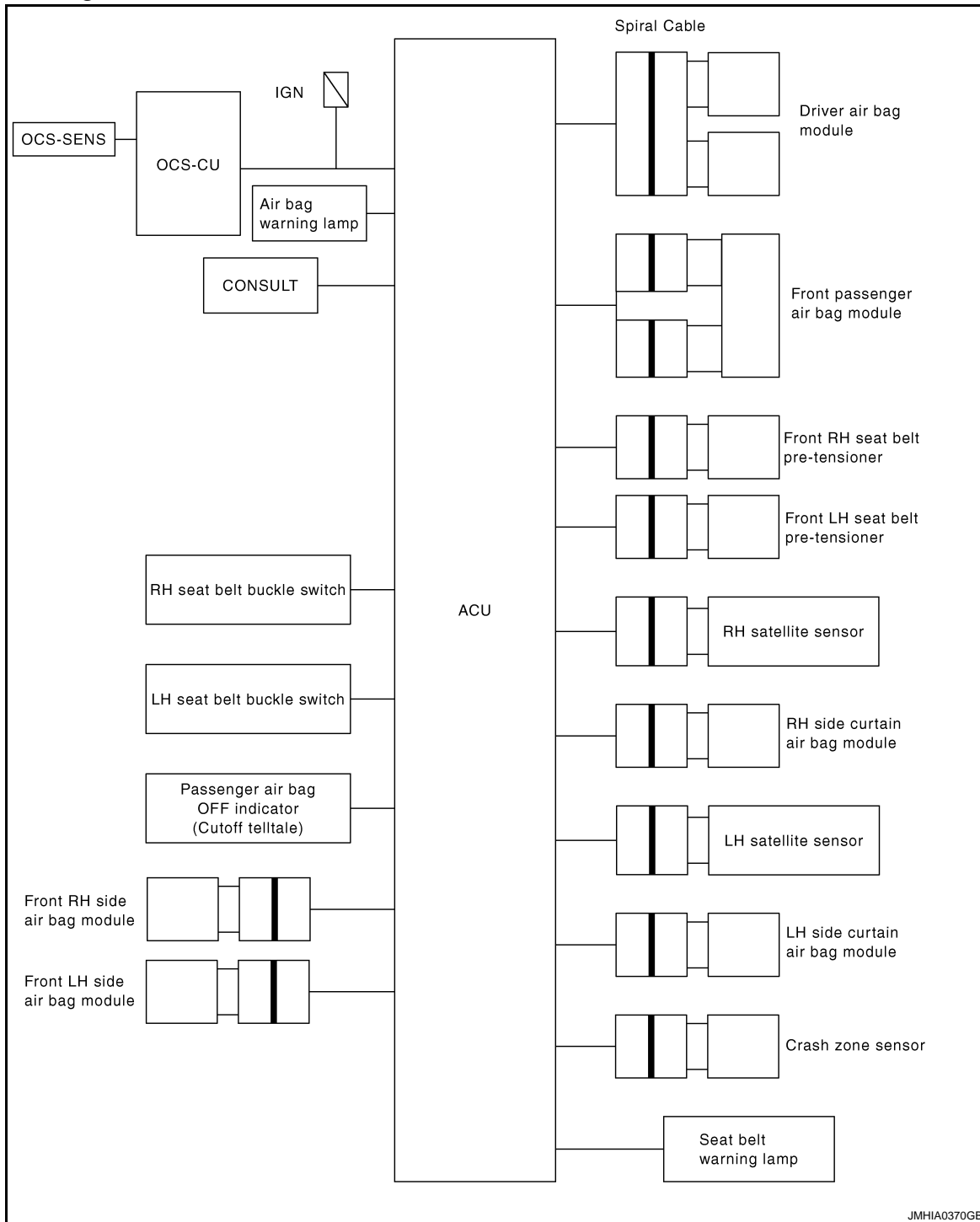
< FUNCTION DIAGNOSIS >

FUNCTION DIAGNOSIS

SRS AIR BAG SYSTEM

System Diagram

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System Description

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This SRS Air Bag System has the following function.

1. Detects crash and supplies the energy for deploying air bag and seat belt pre-tensioner.
2. Detects electrical trouble in air bag system and seat belt pre-tensioner system, records trouble code, and blinking air bag warning lamp.

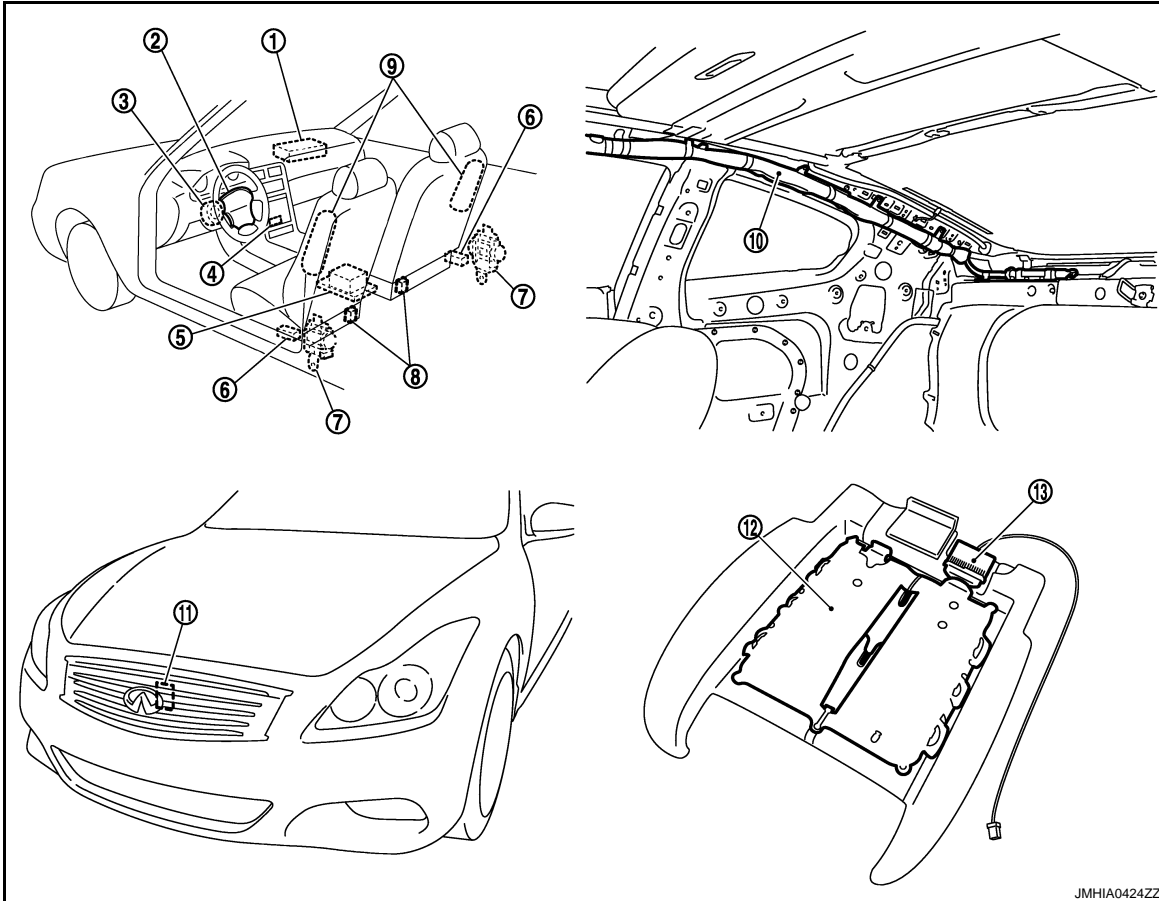
SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

3. Detects and records the deployment of air bag and seat belt pre-tensioner, and turns on air bag warning lamp.
4. Indicates malfunctioning portion with blinking times of air bag warning lamp in diagnosis mode.
5. Indicate the malfunctioning record by CONSULT-III.
6. Suppress the deployment of passenger air bag when the passenger seat is empty or when occupied by turns on passenger air bag off indicator (cut-off telltale) when passenger seat is occupied with a child-seat and child. {Occupant Classification System (OCS).}
7. Turn on seat belt warning lamp when the Occupant Classification System (OCS) option is adult or child and the passenger seat belt buckle switch is not on.

Component Parts Location

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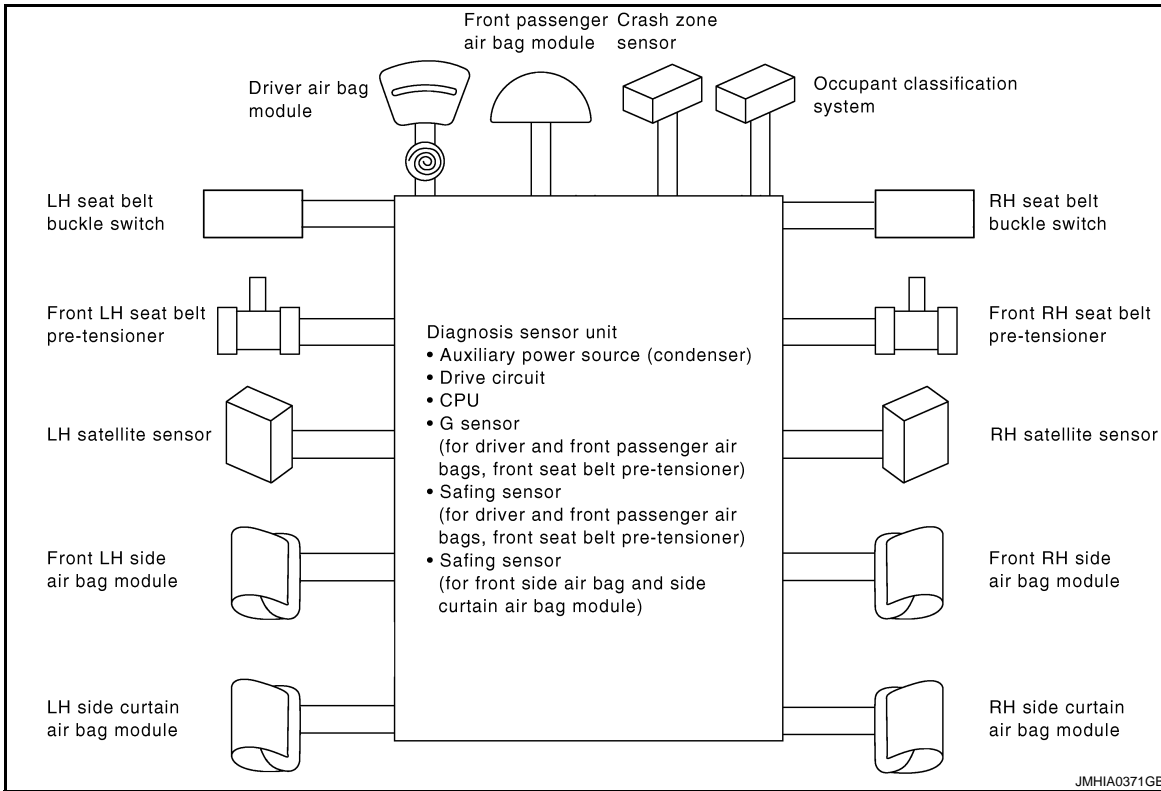
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|---|------------------------------------|--------------------------------------|
| 1. Front passenger air bag module | 2. Driver air bag module | 3. Spiral cable |
| 4. Passenger air bag off indicator (Cut-off telltale) | 5. Diagnosis sensor unit (ACU) | 6. Satellite sensor (LH/RH) |
| 7. Front seat belt pre-tensioner (LH/RH) | 8. Seat belt buckle switch (LH/RH) | 9. Front side air bag module (LH/RH) |
| 10. Curtain air bag module | 11. Crash zone sensor | 12. OCS seat sensor mat |
| 13. OCS control unit | | |

SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

Component Description

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- Air bag sensor are prepared for operation while the ignition switch is in the ON or START position.
- The operation of supplemental restraint system is different from collision modes applications. For example, the driver air bag module and front passenger air bag module are activated in a frontal collision but not in a side collision.
- SRS configurations which are activated for some collision modes are as follows.

SRS configuration	Frontal collision	Left side collision	Right side collision
Driver air bag module. Refer to SRC-129	×	—	—
Front passenger air bag module. Refer to SRC-129	×	—	—
Front LH seat belt pre-tensioner. Refer to SRC-129	×	—	—
Front RH seat belt pre-tensioner. Refer to SRC-129	×	—	—
Front LH side air bag module. Refer to SRC-131	—	×	—
Front RH side air bag module. Refer to SRC-131	—	—	×
LH side curtain air bag module. Refer to SRC-131	—	×	—
RH side curtain air bag module. Refer to SRC-131	—	—	×

×: Application, —: Not application

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OCCUPANT CLASSIFICATION SYSTEM

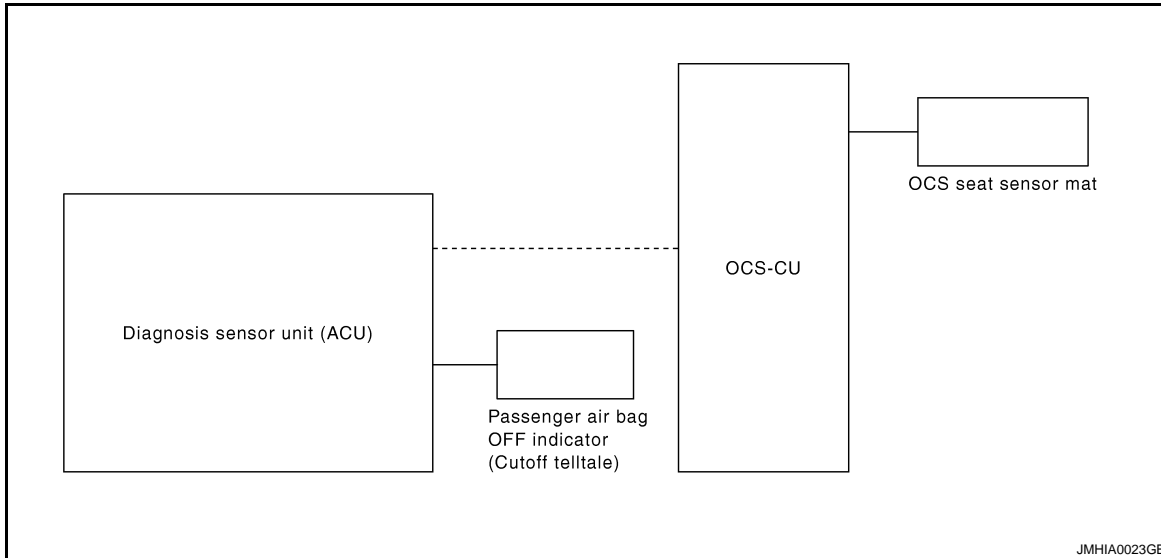
< FUNCTION DIAGNOSIS >

OCCUPANT CLASSIFICATION SYSTEM

System Diagram

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OCCUPANT CLASSIFICATION SYSTEM



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System Description

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This Occupant Classification System has the following function.

1. Suppresses 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. {Occupant Classification System (OCS).}
2. Indicates malfunction portion with blinking times of air bag warning lamp in diagnosis mode.
3. Indicates the malfunctioning record by CONSULT-III.

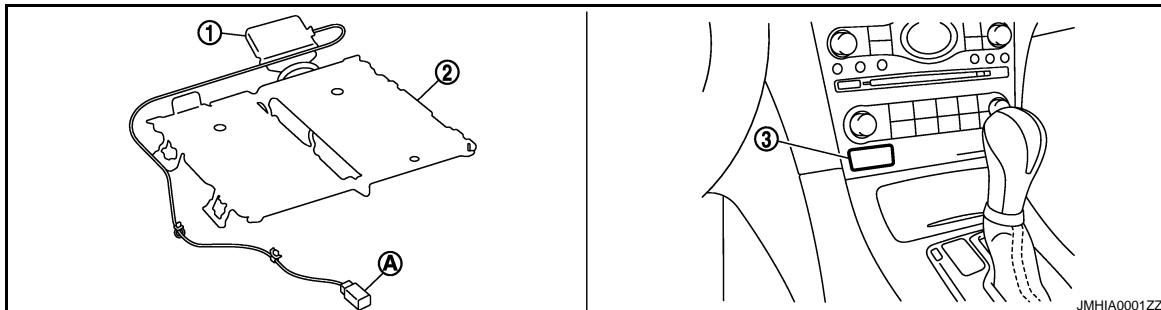
NOTE:

Operation of ACU when ACU 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
Trouble	Suppress	On	Blinking	Off

Component Parts Location

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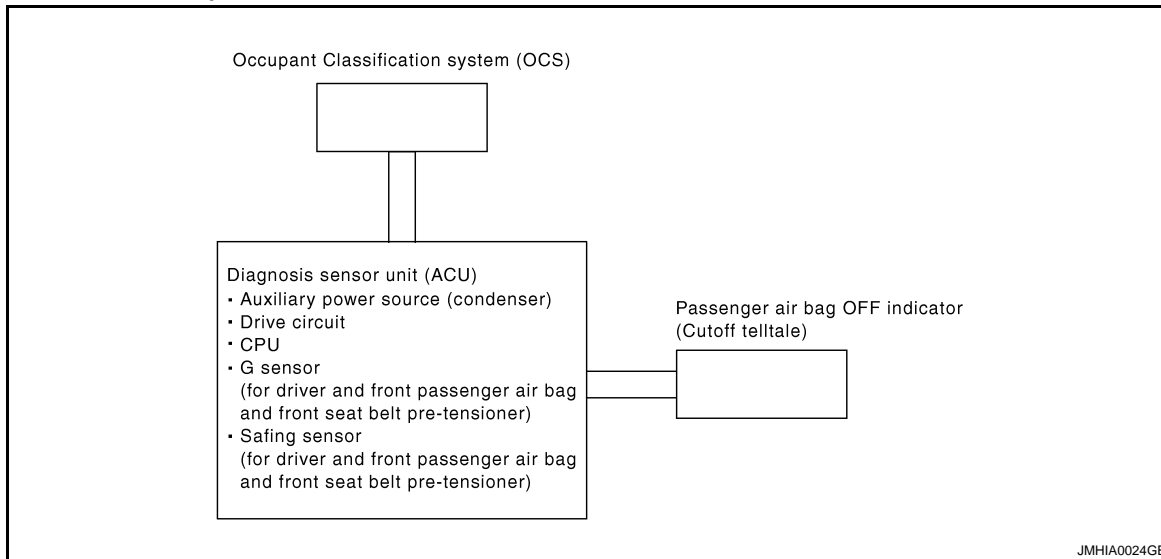
OCCUPANT CLASSIFICATION SYSTEM

< FUNCTION DIAGNOSIS >

1. OCS control unit
 2. OCS seat sensor mat
 3. Passenger air bag OFF indicator (cut-off telltale)
- A. OCS harness connector

Component Description

INFOID:000000001694478



Component Parts

- OCS control unit, Seat sensor mat. Refer to [SRC-29, "Description"](#).
- Passenger air bag OFF indicator (cut-off telltale). Refer to [SRC-31, "Description"](#).

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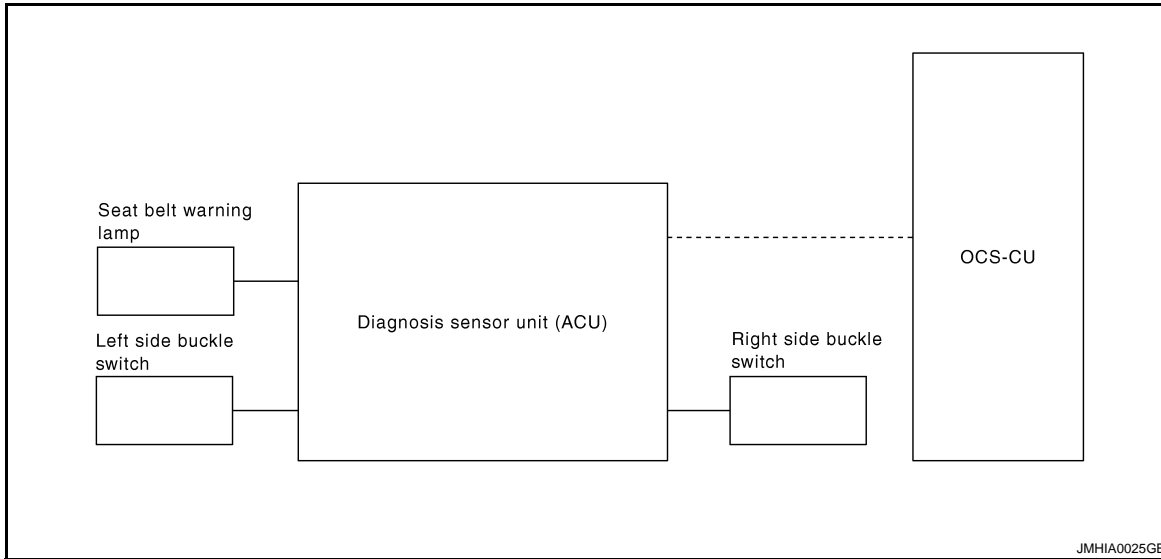
PASSENGER SEAT BELT WARNING SYSTEM

< FUNCTION DIAGNOSIS >

PASSENGER SEAT BELT WARNING SYSTEM

System Diagram

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System Description

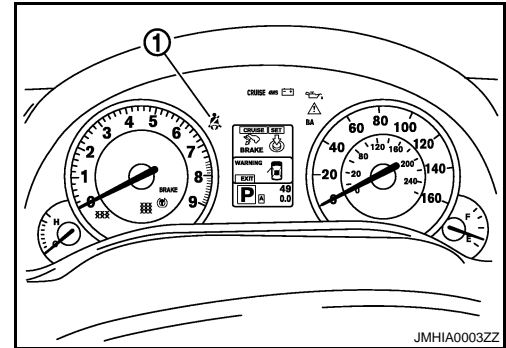
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This Passenger Seat Belt Warning System has the following function.

1. Turns ON seat belt warning lamp (1), when the 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.)



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NOTE:

Operation of ACU when ACU 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
Trouble	Suppress	On	Blinking	Off

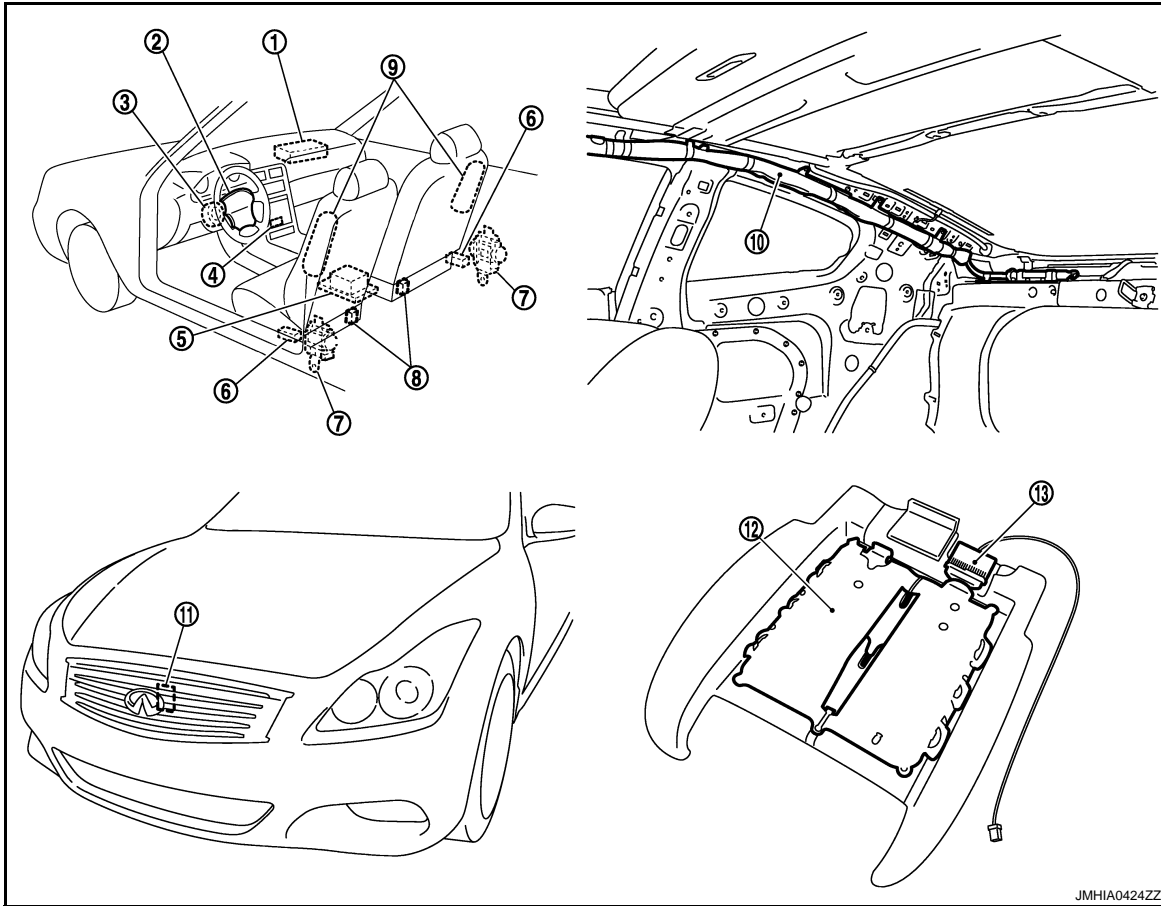
PASSENGER SEAT BELT WARNING SYSTEM

< FUNCTION DIAGNOSIS >

Component Parts Location

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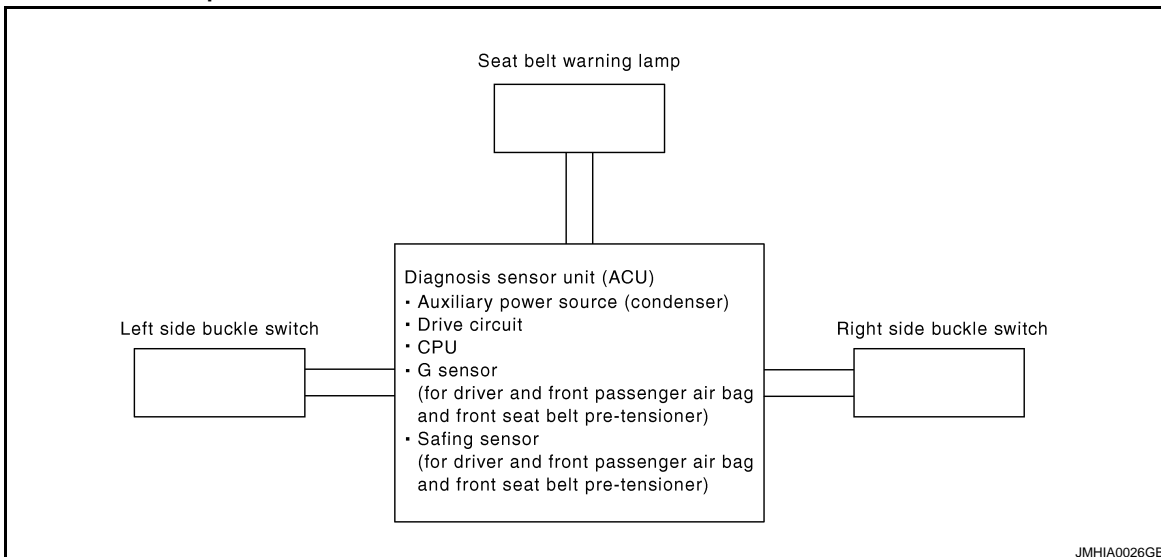
SRS AIR BAG



- | | | |
|---|------------------------------------|--------------------------------------|
| 1. Front passenger air bag module | 2. Driver air bag module | 3. Spiral cable |
| 4. Passenger air bag off indicator (Cut-off telltale) | 5. Diagnosis sensor unit (ACU) | 6. Satellite sensor (LH/RH) |
| 7. Front seat belt pre-tensioner (LH/RH) | 8. Seat belt buckle switch (LH/RH) | 9. Front side air bag module (LH/RH) |
| 10. Curtain air bag module | 11. Crash zone sensor | 12. OCS seat sensor mat |
| 13. OCS control unit | | |

Component Description

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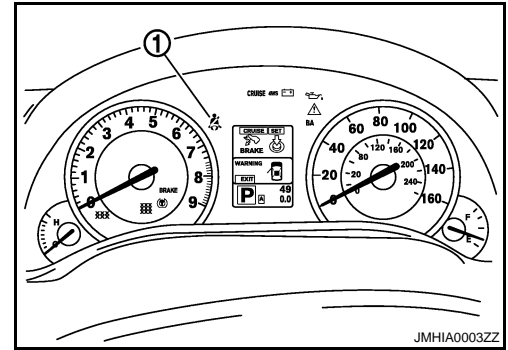
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PASSENGER SEAT BELT WARNING SYSTEM

< FUNCTION DIAGNOSIS >

Component parts

- Seat belt warning lamp (1).
- Seat belt buckle switch.



DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

DIAGNOSIS SYSTEM (AIRBAG)

Diagnosis Description

INFOID:000000001694483

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 [SRC-141, "Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -"](#)).
- 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.

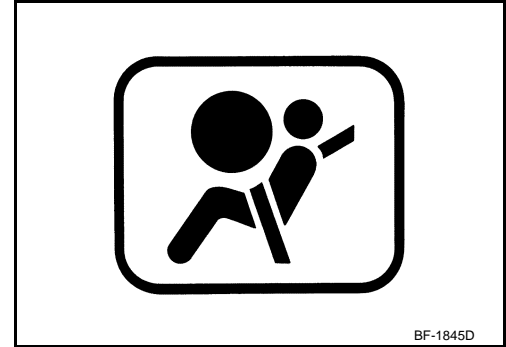
DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

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 SRS 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>SHIA0012E</p>	<ul style="list-style-type: none"> • The system is malfunctioning and needs to be repaired as indicated. 	Go to SRC-15. "Diagnosis Description" .

DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

"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-129 , " Diagnosis Procedure (Component diagnosis) " or SRC-131 , " Diagnosis Procedure (Component diagnosis) ".
<p>SHIA0014E</p>	<ul style="list-style-type: none"> Diagnosis sensor unit is malfunctioning. Air bag power supply circuit is malfunctioning. SRS air bag warning lamp circuit is malfunctioning. 	Go to SRC-147 , " Diagnosis Procedure ".
<p>SHIA0014E</p>	<ul style="list-style-type: none"> Diagnosis sensor unit is malfunctioning. Air bag warning lamp circuit is malfunctioning. 	Go to SRC-147 , " 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])
ECU DISCRIMINATED No.	The part number of diagnosis sensor unit is displayed.

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CONSULT-III Function

INFOID:000000001694484

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.
- "ECU DISCRIMINATED NO."
The diagnosis sensor unit for each vehicle model has its own individual classification number. This number will be displayed on CONSULT-III screen, as shown. When replacing the diagnosis sensor unit, refer to the part number for the compatibility. After installation, replacement with a correct unit can be checked by confirming this classification number on CONSULT-III screen.
After repair, check that the discriminated number of diagnosis sensor unit installed to vehicle are the same. Refer to [SR-16](#), "[Removal and Installation](#)".

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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.

DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

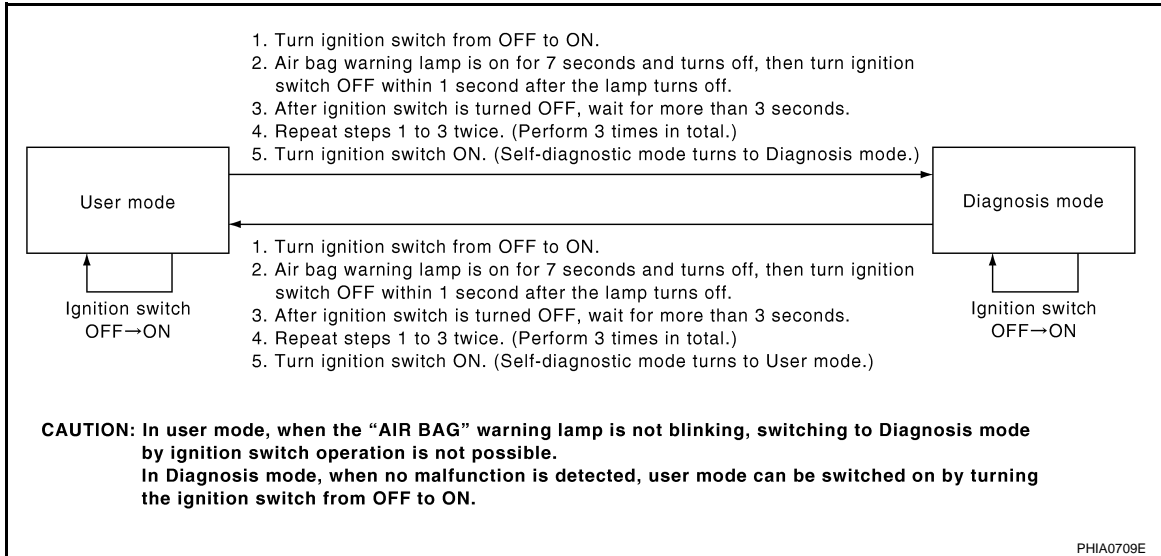
From Diagnosis Mode to User Mode

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.

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

< COMPONENT DIAGNOSIS >

COMPONENT DIAGNOSIS

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

Description

INFOID:000000001694485

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 watches 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

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

DTC Logic

INFOID:000000001694486

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	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

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-20. "Diagnosis Procedure \(Component diagnosis\)".](#)
- 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

< COMPONENT DIAGNOSIS >

Turn ignition switch ON.

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133. "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694487

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).
2. Check the screen of CONSULT-III.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-38. "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001694488

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 watches 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

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

DTC Logic

INFOID:000000001694489

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	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
- 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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694490

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-38, "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001694491

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 watches 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

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

DTC Logic

INFOID:000000001694492

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	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).

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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694493

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-38, "Intermittent Incident"](#).

B1017, B1020, B1021 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

B1017, B1020, B1021 OCCUPANT SENS C/U

Description

INFOID:000000001694494

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

Suppresses the deployment of passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on cut-off telltale lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the SRS 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, 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:000000001694495

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 harness. Internal breakdown in occupant classification system control unit. Internal breakdown in diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
- 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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B1017, B1020, B1021 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694496

With CONSULTIII

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

1. Replace OCS CONTROL UNIT. (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-38, "Intermittent Incident"](#).

B1018 OCCUPANT SENS

< COMPONENT DIAGNOSIS >

B1018 OCCUPANT SENS

Description

INFOID:000000001694497

DTC B1018 [UNIT FAIL] OCCUPANT SENS

Suppresses the deployment of passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on cut-off telltale lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the SRS 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:000000001694498

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.• Internal breakdown in diagnosis sensor unit (ACU).

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 \(Component diagnosis\)".](#)
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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B1018 OCCUPANT SENS

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694499

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 OCCUPANT CLASSIFICATION SYSTEM SENSOR

1. Replace OCS SENSOR. (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-38, "Intermittent Incident"](#).

B1022 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

B1022 OCCUPANT SENS C/U

Description

INFOID:000000001694500

DTC B1022 [COMM FAIL] OCCUPANT SENS C/U

Suppresses the deployment of passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on cut-off telltale lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the SRS 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:000000001694501

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
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.

B1022 OCCUPANT SENS C/U

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133. "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694502

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

1. Replace OCS CONTROL UNIT. (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-38. "Intermittent Incident"](#).

B1023 PASS A/B INDCTR CKT

< COMPONENT DIAGNOSIS >

B1023 PASS A/B INDCTR CKT

Description

INFOID:000000001694503

DTC B1023 PASS A/B INDCTR CKT

Suppresses the deployment of passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on passenger air bag indicator (cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the SRS 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 passenger air bag indicator (cut-off telltale) when the passenger seat is empty or occupied by child-seat and child.

STRUCTURE

Passenger air bag indicator (cut-off telltale) with LED illumination.

INSTALLATION

Passenger air bag indicator (cut-off telltale) is installed at the instrument panel center.

DTC Logic

INFOID:000000001694504

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 passenger air bag cut-off indicator unit.• Internal breakdown in diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
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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B1023 PASS A/B INDCTR CKT

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694505

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 passenger air bag off indicator.
2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-38, "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001694506

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

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

DTC Logic

INFOID:000000001694507

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	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
- 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

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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694508

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-38, "Intermittent Incident"](#).

B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

B1033, B1034 CRASH ZONE SEN

Description

INFOID:000000001694509

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 ACU define the both signal voltage of the "G" sensor and the safing sensor 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:000000001694510

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 SENSOR [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 diagnosis sensor unit (ACU).

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-36, "Diagnosis Procedure \(Component diagnosis\)"](#).
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

B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP-

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694511

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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-38, "Intermittent Incident"](#).

B1035, B1036, B1038, B1040 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

B1035, B1036, B1038, B1040 CRASH ZONE SEN

Description

INFOID:000000001694512

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 ACU defines both signal voltage of the "G" sensor and the safing sensor 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:000000001694513

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 diagnosis sensor unit (ACU).
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-38. "Diagnosis Procedure \(Component diagnosis\)".](#)
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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694514

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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-38, "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001694515

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

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

DTC Logic

INFOID:000000001694516

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	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

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 \(Component diagnosis\)".](#)
- 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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133. "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694517

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-38. "Intermittent Incident"](#).

B1049, B1054 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

B1049, B1054 DRIVER AIRBAG MODULE

Description

INFOID:000000001694518

DTC B1049, B1054 [OPEN] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and sub "G" sensor 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:000000001694519

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)".](#)
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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133. "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694520

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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 4.

4.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
M302	10 11	M35	28 30	Existed
M301	9 12		30 29	

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

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

B1049, B1054 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-38, "Intermittent Incident"](#).

NO >> Replace spiral cable.

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B1050, B1055 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

B1050, B1055 DRIVER AIRBAG MODULE

Description

INFOID:000000001694521

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

For driver air bag module, crash is judged by main "G" sensor output signal and sub "G" sensor 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:000000001694522

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 diagnosis sensor unit (ACU).

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-45. "Diagnosis Procedure \(Component diagnosis\)".](#)
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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694523

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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 4.

4.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
M302	10	M35	28	Existed
	11		30	
M301	9		30	
	12		29	

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

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

B1050, B1055 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

Is the inspection result normal?

- YES >> Check the intermittent incident. Refer to [GI-38, "Intermittent Incident"](#).
- NO >> Replace spiral cable.

B1051, B1056 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

B1051, B1056 DRIVER AIRBAG MODULE

Description

INFOID:000000001694524

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

For driver air bag module, crash is judged by main “G” sensor output signal and sub “G” sensor 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:000000001694525

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)".](#)
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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133. "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694526

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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 4.

4.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
M302	10 11	M35	28 30	Existed
M301	9 12		30 29	

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

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

B1051, B1056 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-38, "Intermittent Incident"](#).

NO >> Replace spiral cable.

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B1052, B1057 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

B1052, B1057 DRIVER AIRBAG MODULE

Description

INFOID:000000001694527

DTC B1052, B1057 [SHORT] DRIVER AIRBAG MODULE

For driver air bag module, crash is judged by main "G" sensor output signal and sub "G" sensor 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:000000001694528

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)".](#)

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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694529

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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 4.

4.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
M302	10	M35	28	Existed
	11		30	
M301	9		30	
	12		29	

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

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

B1052, B1057 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

Is the inspection result normal?

- YES >> Check the intermittent incident. Refer to [GI-38, "Intermittent Incident"](#).
- NO >> Replace spiral cable.

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001694530

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

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

DTC Logic

INFOID:000000001694531

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	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
- 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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B1058, B1059, B1060, B1061, B1062, B1063 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133. "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694532

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-38. "Intermittent Incident"](#).

B1065, B1070 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

B1065, B1070 ASSIST A/B MODULE

Description

INFOID:000000001694533

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 sub "G" sensor 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:000000001694534

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 diagnosis sensor unit (ACU).

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-56, "Diagnosis Procedure \(Component diagnosis\)"](#).
- 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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B1065, B1070 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694535

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1066, B1071 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

B1066, B1071 ASSIST A/B MODULE

Description

INFOID:000000001694536

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 sub "G" sensor 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:000000001694537

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 diagnosis sensor unit (ACU).

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-58, "Diagnosis Procedure \(Component diagnosis\)"](#).

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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B1066, B1071 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694538

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1067, B1072 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

B1067, B1072 ASSIST A/B MODULE

Description

INFOID:000000001694539

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 sub "G" sensor 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:000000001694540

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
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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B1067, B1072 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694541

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 >> Replace wiring harness.

3.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-38, "Intermittent Incident"](#).

B1068, B1073 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

B1068, B1073 ASSIST A/B MODULE

Description

INFOID:000000001694542

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

For front passenger air bag module, crash is judged by main "G" sensor output signal and sub "G" sensor 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:000000001694543

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 diagnosis sensor unit (ACU).

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-56, "Diagnosis Procedure \(Component diagnosis\)"](#).
- 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

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694544

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery 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 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-38, "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001694545

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

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

DTC Logic

INFOID:000000001694546

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	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
- 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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133. "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694547

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-38. "Intermittent Incident"](#).

B1081 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

B1081 PRE-TEN FRONT RH

Description

INFOID:000000001694548

DTC B1081 [OPEN] PRE-TEN FRONT RH

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

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If 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:000000001694549

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)".](#)
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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B1081 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694550

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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-38, "Intermittent Incident"](#).

B1082 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

B1082 PRE-TEN FRONT RH

Description

INFOID:000000001694551

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 sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If 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:000000001694552

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)".](#)

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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B1082 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694553

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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-38, "Intermittent Incident"](#).

B1083 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

B1083 PRE-TEN FRONT RH

Description

INFOID:000000001694554

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 sub "G" sensor in front direction.

OPERATION

In case of frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If 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:000000001694555

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)".](#)
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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B1083 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694556

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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-38, "Intermittent Incident"](#).

B1084 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

B1084 PRE-TEN FRONT RH

Description

INFOID:000000001694557

DTC B1084 [SHORT] PRE-TEN FRONT RH

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

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If 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:000000001694558

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 diagnosis sensor unit (ACU).

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-72. "Diagnosis Procedure \(Component diagnosis\)".](#)
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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B1084 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694559

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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-38, "Intermittent Incident"](#).

B1086 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

B1086 PRE-TEN FRONT LH

Description

INFOID:000000001694560

DTC B1086 [OPEN] PRE-TEN FRONT LH

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

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If 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:000000001694561

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)".](#)
- 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

B1086 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694562

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 >> 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-38, "Intermittent Incident"](#).

B1087 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

B1087 PRE-TEN FRONT LH

Description

INFOID:000000001694563

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 sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If 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:000000001694564

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)".](#)
 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

B1087 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694565

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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-38, "Intermittent Incident"](#).

B1088 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

B1088 PRE-TEN FRONT LH

Description

INFOID:000000001694566

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 sub "G" sensor in front direction.

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If 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:000000001694567

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)".](#)
- 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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694568

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 >> 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-38, "Intermittent Incident"](#).

B1089 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

B1089 PRE-TEN FRONT LH

Description

INFOID:000000001694569

DTC B1089 [SHORT] PRE-TEN FRONT LH

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

OPERATION

In the case of a frontal collision that exceeds specified impact level, the diagnosis sensor unit detects the deceleration caused by collision. If 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:000000001694570

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)".](#)
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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B1089 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694571

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 >> 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-38, "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001694572

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

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

DTC Logic

INFOID:000000001694573

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	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
- 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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694574

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-38, "Intermittent Incident"](#).

B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

B1113, B1114 SATELLITE SENS RH

Description

INFOID:000000001694575

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 sensor 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:000000001694576

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
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

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694577

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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-38, "Intermittent Incident"](#).

B1115, B1116 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

B1115, B1116 SATELLITE SENS RH

Description

INFOID:000000001694578

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 sensor 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:000000001694579

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	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 diagnosis sensor unit (ACU).
B1116			

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 \(Component diagnosis\)"](#).
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

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694580

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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-38, "Intermittent Incident"](#).

B1118, B1119 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

B1118, B1119 SATELLITE SENS LH

Description

INFOID:000000001694581

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 sensor 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

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

DTC Logic

INFOID:000000001694582

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
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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B1118, B1119 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694583

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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-38, "Intermittent Incident"](#).

B1120, B1121 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

B1120, B1121 SATELLITE SENS LH

Description

INFOID:000000001694584

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 sensor 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

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

DTC Logic

INFOID:000000001694585

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] [UNMATCH]	LH satellite sens is out of order.	<ul style="list-style-type: none">• Disconnection of wiring harness.• Internal breakdown in LH satellite sens.• Internal breakdown in diagnosis sensor unit (ACU).
B1121			

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-90, "Diagnosis Procedure \(Component diagnosis\)"](#).
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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B1120, B1121 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694586

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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-38, "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001694587

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, 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

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

DTC Logic

INFOID:000000001694588

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	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
- 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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B1122, B1123, B1124, B1125, B1126, B1127 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133. "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694589

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-38. "Intermittent Incident"](#).

B1129 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

B1129 SIDE MODULE RH

Description

INFOID:000000001694590

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 sub "G" sensor (right and left GP in center 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

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:000000001694591

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
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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B1129 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694592

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1130 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

B1130 SIDE MODULE RH

Description

INFOID:000000001694593

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 sub "G" sensor (right and left GP in center 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

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:000000001694594

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
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.

B1130 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694595

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1131 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

B1131 SIDE MODULE RH

Description

INFOID:000000001694596

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 sub "G" sensor (right and left GP in center 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

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:000000001694597

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).

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.

B1131 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694598

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1132 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

B1132 SIDE MODULE RH

Description

INFOID:000000001694599

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 sub "G" sensor (right and left GP in center 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

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:000000001694600

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
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.

B1132 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694601

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1134 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

B1134 SIDE MODULE LH

Description

INFOID:000000001694602

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 sub "G" sensor (right and left GP in center 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

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:000000001694603

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).

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

B1134 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694604

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 >> Replace wiring harness.

3.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-38, "Intermittent Incident"](#).

B1135 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

B1135 SIDE MODULE LH

Description

INFOID:000000001694605

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 sub "G" sensor (right and left GP in center 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

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:000000001694606

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).

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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B1135 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694607

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1136 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

B1136 SIDE MODULE LH

Description

INFOID:000000001694608

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 sub "G" sensor (right and left GP in center 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

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:000000001694609

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).

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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B1136 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694610

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1137 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

B1137 SIDE MODULE LH

Description

INFOID:000000001694611

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 sub "G" sensor (right and left GP in center 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

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:000000001694612

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).

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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B1137 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694613

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery 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.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-38, "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001694614

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 watches 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

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

DTC Logic

INFOID:000000001694615

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	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
- 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

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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133. "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694616

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-38. "Intermittent Incident"](#).

B1145 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

B1145 CURTAIN MODULE RH

Description

INFOID:000000001694617

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 sub "G" sensor (right and left GP in center 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:000000001694618

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).

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

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694619

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1146 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

B1146 CURTAIN MODULE RH

Description

INFOID:000000001694620

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 sub "G" sensor (right and left GP in center 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:000000001694621

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).

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

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694622

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1147 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

B1147 CURTAIN MODULE RH

Description

INFOID:000000001694623

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, RH side: right satellite sensor) and sub "G" sensor (right and left GP in center 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:000000001694624

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).
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

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694625

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1148 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

B1148 CURTAIN MODULE RH

Description

INFOID:000000001694626

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 sub "G" sensor (right and left GP in center 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:000000001694627

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).

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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B1148 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

- YES >> Refer to [SRC-133, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694628

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1150 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

B1150 CURTAIN MODULE LH

Description

INFOID:000000001694629

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 sub "G" sensor (right and left GP in center 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:000000001694630

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).

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

B1150 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694631

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1151 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

B1151 CURTAIN MODULE LH

Description

INFOID:000000001694632

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 sub "G" sensor (right and left GP in center 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:000000001694633

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 diagnosis sensor unit (ACU).

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-122, "Diagnosis Procedure \(Component diagnosis\)"](#).

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

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694634

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1152 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

B1152 CURTAIN MODULE LH

Description

INFOID:000000001694635

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 sub "G" sensor (right and left GP in center 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:000000001694636

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
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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).

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

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694637

With CONSULT-III

WARNING:

- **Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1153 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

B1153 CURTAIN MODULE LH

Description

INFOID:000000001694638

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 sub "G" sensor (right and left GP in center 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:000000001694639

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 diagnosis sensor unit (ACU).

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 \(Component diagnosis\)"](#).

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

B1153 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694640

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 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-38, "Intermittent Incident"](#).

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000001694641

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 watches 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

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

DTC Logic

INFOID:000000001694642

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	Diagnosis sensor unit is out of order.	Internal breakdown in diagnosis sensor unit (ACU).

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 \(Component diagnosis\)".](#)
- 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

B1202, B1203, B1204, B1205, B1206, B1207 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is malfunctioning part detected?

YES >> Refer to [SRC-133. "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694643

With CONSULT-III

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals 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 DIAGNOSIS SENSOR UNIT

1. Replace diagnosis sensor unit (ACU).

2. Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-38. "Intermittent Incident"](#).

B1209 FRONTAL COLLISION DETECTION

< COMPONENT DIAGNOSIS >

B1209 FRONTAL COLLISION DETECTION

Description

INFOID:000000001694644

DTC B1209 FRONTAL COLLISION DETECTION

Detects component damage resulting from a front collision, blinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning part can be detected by the CONSULT-III.

OPERATION

The air bag and seat belt pre-tensioners for driver and front seat passenger are operated by the decision of the diagnosis sensor unit (ACU) out signal transmitted because of the frontal collision.

STRUCTURE

It consists of crash zone sensor, diagnosis sensor unit (ACU), air bags and seat belt pre-tensioners for driver and front passenger.

INSTALLATION

Refer to [SR-14, "Removal and Installation"](#), [SR-16, "Removal and Installation"](#), [SB-5, "SEAT BELT RETRAC-TOR : Removal and Installation"](#), [SR-4, "Removal and Installation"](#), [SR-10, "Removal and Installation"](#).

DTC Logic

INFOID:000000001694645

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-129, "Diagnosis Procedure \(Component diagnosis\)"](#).
- NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694646

With CONSULT-III

WARNING:

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

DIAGNOSTIC PROCEDURE

1.CHECK FRONT AIR BAG MODULE

B1209 FRONTAL COLLISION DETECTION

< COMPONENT DIAGNOSIS >

Check front air bag module. (driver air bag module and/or passenger air bag module.)

Is the front air bag module deployed?

- YES >> Replace front air bag module.
- NO >> GO TO 2.

2.CHECK FRONT SEAT BELT PRE-TENSIONER

Check front seat belt pre-tensioner.

Is the front seat belt pre-tensioner activated?

- YES >> Replace front seat belt pre-tensioner.
- NO >> GO TO 3.

3.CHECK DIAGNOSIS SENSOR UNIT

Check diagnosis sensor unit.

Is the front air bag module and/or front seat belt pre-tensioner activated?

- YES >> Replace diagnosis sensor unit (ACU).
- NO >> GO TO 4.

4.CHECK STEERING WHEEL

Check steering wheel.

Is the steering wheel normal?

- YES >> GO TO 5.
- NO >> Replace steering wheel.

5.CHECK SPIRAL CABLE

1. Check the continuity of spiral cable. Refer to [SRC-42. "Diagnosis Procedure \(Component diagnosis\)"](#).
2. Operate the steering wheel to check excessive heavy operation force, abnormal noise or damage.

Is the inspection result normal?

- YES >> GO TO 6.
- NO >> Replace spiral cable.

6.CHECK WIRING HARNESS

Check wiring harness.

Is the wiring harness normal?

- YES >> GO TO 7.
- NO >> Repair or replace wiring harness/harness connector.

7.FINAL CHECK

Check the screen of CONSULT-III and/or Air bag warning lamp status.

Is the inspection result normal?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-38. "Intermittent Incident"](#).

B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

B1210 SIDE COLLISION DETECTION

Description

INFOID:000000001694647

DTC B1210 SIDE COLLISION DETECTION

Detects component damage resulting from a side collision, brinks or illuminates the air bag warning lamp to inform the driver. Malfunctioning part can be detected by the CONSULT-III.

OPERATION

The side air bag and curtain air bag are operated by the decision of the diagnosis sensor unit (ACU) signal of the side collision.

STRUCTURE

It consists of satellite sensor, diagnosis sensor unit (ACU), front side air bag and side curtain air bag.

INSTALLATION

Refer to [SR-15. "Removal and Installation"](#), [SR-16. "Removal and Installation"](#), [SR-12. "Removal and Installation"](#).

DTC Logic

INFOID:000000001694648

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-131, "Diagnosis Procedure \(Component diagnosis\)"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001694649

With CONSULT-III

WARNING:

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

DIAGNOSTIC PROCEDURE

1.CHECK FRONT SIDE AIR BAG MODULE

Check for front side air bag module.

Is the front side air bag module deployed?

B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

- YES >> Replace front side air bag module.
NO >> GO TO 2.

2.CHECK SIDE CURTAIN AIR BAG MODULE

Check for side curtain air bag module.

Is the side curtain air bag module deployed?

- YES >> Replace side curtain air bag module.
NO >> GO TO 3.

3.CHECK SATELLITE SENSOR

Check for satellite sensor.

Is the front side air bag module and/or side curtain air bag module deployed?

- YES >> Replace satellite sensor.
NO >> GO TO 4.

4.CHECK DIAGNOSIS SENSOR UNIT

Check for diagnosis sensor unit.

Is the front side air bag module and/or side curtain air bag module deployed?

- YES >> Replace diagnosis sensor unit (ACU).
NO >> GO TO 5.

5.FINAL CHECK

Check the screen of CONSULT-III and/or Air bag warning lamp status.

Is the inspection result normal?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-38. "Intermittent Incident"](#).

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

ECU DIAGNOSIS

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:000000001694650

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.	When 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. 	<ul style="list-style-type: none"> • Go to SRC-15, "Diagnosis Description".
	<ul style="list-style-type: none"> • No malfunction is detected. 	—
CONTROL UNIT [B1001-B1015]	<ul style="list-style-type: none"> • Diagnosis sensor is out of order. 	<ul style="list-style-type: none"> • Replace diagnosis sensor unit (ACU).
OCCUPANT SENS C/U [UNIT FAIL] [B1017] [B1020] [B1021]	<ul style="list-style-type: none"> • Trouble occurs in OCS-CU. 	<ol style="list-style-type: none"> 1. Repair or replace wiring harness / harness connector. 2. Replace front passenger seat cushion and occupant classification system control unit as an assembly. 3. Replace diagnosis sensor unit (ACU).
OCCUPANT SENS [UNIT FAIL] [B1018]	<ul style="list-style-type: none"> • Trouble occurs in OCS-SENS. 	<ol style="list-style-type: none"> 1. Repair or replace wiring harness / harness connector. 2. Replace front passenger seat cushion and occupant classification system control unit as an assembly. 3. Replace diagnosis sensor unit (ACU).
OCCUPANT SENS C/U [COMM FAIL] [B1022]	<ul style="list-style-type: none"> • Trouble occurs in OCS-CU, circuit of OCS-CU~ACU, or ACU. 	<ol style="list-style-type: none"> 1. Repair or replace wiring harness / harness connector. 2. Replace front passenger seat cushion and occupant classification system control unit as an assembly. 3. Replace diagnosis sensor unit (ACU).
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. 	<ol style="list-style-type: none"> 1. Repair or replace wiring harness / harness connector. 2. Replace passenger air bag off indicator. 3. Replace diagnosis sensor unit (ACU).
CONTROL UNIT [B1026-B1031]	<ul style="list-style-type: none"> • Diagnosis sensor is out of order. 	<ul style="list-style-type: none"> • Replace diagnosis sensor unit (ACU).

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

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. 	<ol style="list-style-type: none"> Repair or replace wiring harness / harness connector. Replace crash zone sensor. Replace diagnosis sensor unit (ACU).
CONTROL UNIT [B1042-B1047]	<ul style="list-style-type: none"> Diagnosis sensor is out of order. 	<ul style="list-style-type: none"> Replace diagnosis sensor unit (ACU).
DRIVER AIRBAG MOD- ULE [OPEN] [B1049] [B1054]	<ul style="list-style-type: none"> Driver air bag module circuit is open. (including the 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-42.
DRIVER AIRBAG MOD- ULE [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.) 	<ol style="list-style-type: none"> Replace spiral cable. Refer to SRC-42. "Diagnosis Procedure (Component diagnosis)". Replace diagnosis sensor unit (ACU).
DRIVER AIRBAG MOD- ULE [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 MOD- ULE [SHORT] [B1052] [B1057]	<ul style="list-style-type: none"> Driver air bag module circuits are shorted to each other. (including spiral cable.) Driver air bag module circuit is shorted to itself. 	
CONTROL UNIT [B1058-B1063]	<ul style="list-style-type: none"> Diagnosis sensor is out of order. 	<ul style="list-style-type: none"> Replace diagnosis sensor unit (ACU).
ASSIST A/B MODULE [OPEN] [B1065] [B1070]	<ul style="list-style-type: none"> Front passenger air bag module circuit is open. 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector. Replace front passenger air bag module.
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. 	<ol style="list-style-type: none"> Replace diagnosis sensor unit (ACU).
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. Front passenger air bag module circuit is shorted to itself. 	
CONTROL UNIT [B1074-B1079]	<ul style="list-style-type: none"> Diagnosis sensor is out of order. 	<ul style="list-style-type: none"> Replace diagnosis sensor unit (ACU).

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	A
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 diagnosis sensor unit (ACU). 	A
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. 		B
PRE-TEN FRONT RH [GND-SHORT] [B1083]	<ul style="list-style-type: none"> Front RH seat belt pre-tensioner circuit is shorted to ground. 		C
PRE-TEN FRONT RH [SHORT] [B1084]	<ul style="list-style-type: none"> Front RH seat belt pre-tensioner circuits are shorted to each other. Front RH seat belt pre-tensioner circuit is shorted to itself. 		D
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 diagnosis sensor unit (ACU). 	E
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. 		F
PRE-TEN FRONT LH [GND-SHORT] [B1088]	<ul style="list-style-type: none"> Front LH seat belt pre-tensioner circuit is shorted to ground. 		G
PRE-TEN FRONT LH [SHORT] [B1089]	<ul style="list-style-type: none"> Front LH seat belt pre-tensioner circuits are shorted to each other. Front LH seat belt pre-tensioner circuit is shorted to itself. 		H
CONTROL UNIT [B1106-B1111]	<ul style="list-style-type: none"> Diagnosis sensor is out of order. 	<ul style="list-style-type: none"> Replace diagnosis sensor unit (ACU). 	I
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 diagnosis sensor unit (ACU). 	J
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. 		K
CONTROL UNIT [B1122-B1127]	<ul style="list-style-type: none"> Diagnosis sensor is out of order. 	<ul style="list-style-type: none"> Replace diagnosis sensor unit (ACU). 	L
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SRC

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	
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 diagnosis sensor unit (ACU). 	
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 LH seat belt pre-tensioner circuits are shorted to each other. Front LH seat belt pre-tensioner circuit is shorted to itself. 	<ol style="list-style-type: none"> Repair or replace wiring harness/harness connector. Replace front LH side air bag module. Replace diagnosis sensor unit (ACU). 	
SIDE MODULE LH [OPEN] [B1134]	<ul style="list-style-type: none"> Front LH side air bag module circuit is open. 		
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. Front LH side air bag module circuit is shorted to itself. 		
CONTROL UNIT [B1138-B1143]	<ul style="list-style-type: none"> Diagnosis sensor is out of order. 		<ul style="list-style-type: none"> Replace diagnosis sensor unit (ACU).
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 diagnosis sensor unit (ACU).
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. RH side curtain air bag module circuit is shorted to itself. 		
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 diagnosis sensor unit (ACU). 	
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. 		
CURTAIN MODULE LH [GND-SHORT] [B1152]	<ul style="list-style-type: none"> LH side curtain air bag module circuit is shorted to ground. 		
CURTAIN MODULE LH [SHORT] [B1153]	<ul style="list-style-type: none"> LH side curtain air bag module circuits are shorted to each other. LH side curtain air bag module circuit is shorted to itself. 		
CONTROL UNIT [B1202-B1207]	<ul style="list-style-type: none"> Diagnosis sensor is out of order. 		<ul style="list-style-type: none"> Replace diagnosis sensor unit (ACU).

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

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 bag is deployed. 	<ul style="list-style-type: none"> Go to SRC-129, "Diagnosis Procedure (Component diagnosis)".
SIDE COLLISION DETECTION [B1210]	<ul style="list-style-type: none"> Side and curtain air bag is deployed. 	<ul style="list-style-type: none"> Go to SRC-131, "Diagnosis Procedure (Component diagnosis)".

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 	1. Erase memory. (Once key switch is turned from OFF to ON, TROUBLE DIAG RECORD will be erased.)

PHIA0532E

Flash pattern	Repair order
<Diagnosis sensor unit> a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit. 	1. Replace the diagnosis sensor unit (ACU).

JMHIA0034GB

Flash pattern	Repair order
<Occupant classification system> a through d are repeated. d: Five flashes indicate malfunctioning OCS control unit. 	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 diagnosis sensor unit (ACU).

JMHIA0045GB

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

JMHIA0046GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

<Crash zone sensor>	
Flash pattern	Repair order
<p>a through d are repeated. 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 diagnosis sensor unit.

JMHIA0036GB

<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>	<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 diagnosis sensor unit (ACU).

JMHIA0033GB

<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>	<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 diagnosis sensor unit (ACU).

JMHIA0035GB

<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>	<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. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0037GB

<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>	<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. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0038GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

<RH side air bag (Satellite) sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Three flashes indicate malfunctioning RH side air bag (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 side air bag (Satellite) sensor. 4. Replace the diagnosis sensor unit.

JMHIA0039GB

<LH side air bag (Satellite) sensor>	
Flash pattern	Repair order
<p>a through f are repeated. f: Four flashes indicate malfunctioning LH side air bag (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 side air bag (Satellite) sensor. 4. Replace the diagnosis sensor unit.

JMHIA0040GB

<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 diagnosis sensor unit (ACU).

JMHIA0041GB

<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 diagnosis sensor unit (ACU).

JMHIA0042GB

<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 diagnosis sensor unit (ACU).

JMHIA0043GB

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DIAGNOSIS SENSOR UNIT

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<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>	<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 diagnosis sensor unit (ACU).

JMHIA0044GB

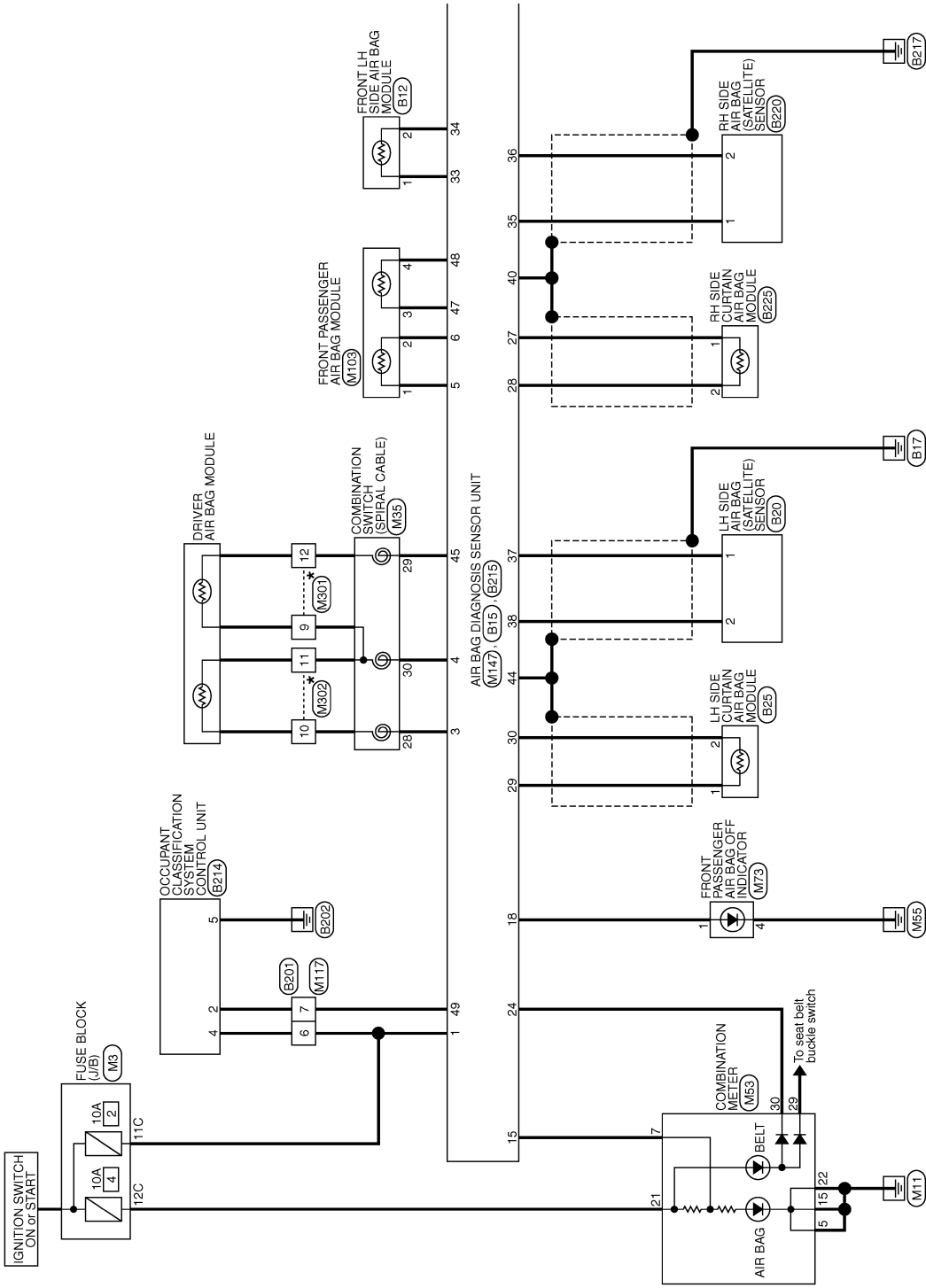
DIAGNOSIS SENSOR UNIT

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Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -

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SRS AIR BAG CONTROL SYSTEM



*: This connector is not shown in "Harness Layout".

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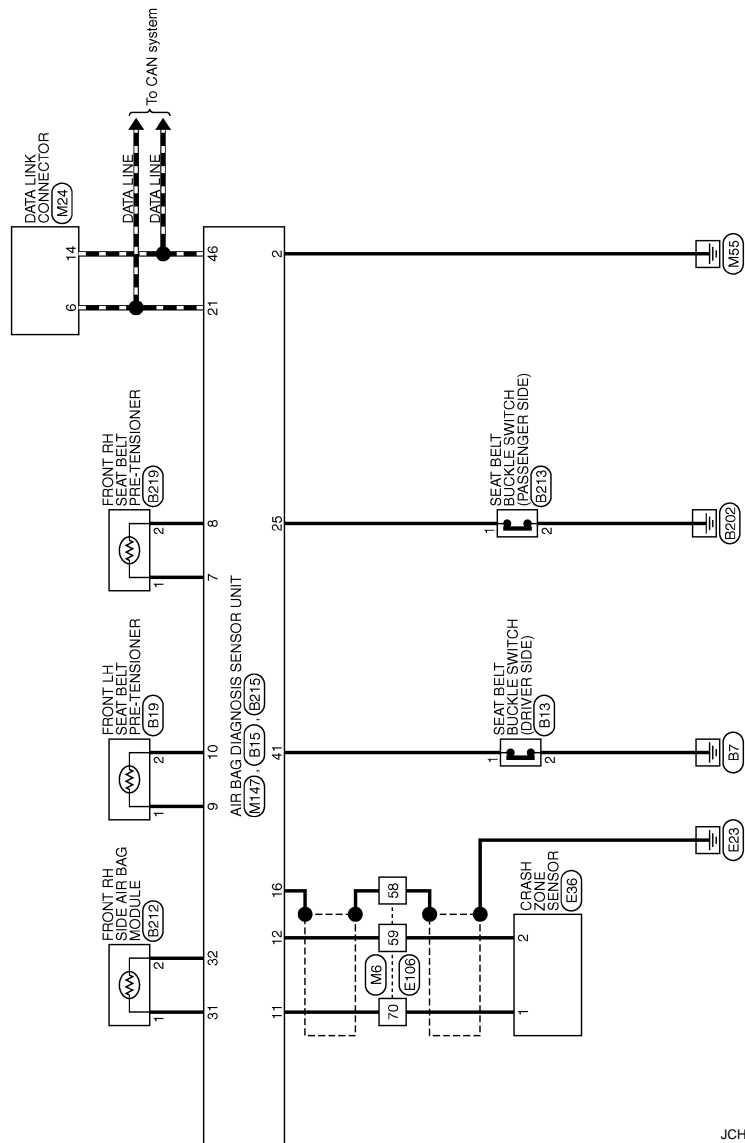
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DIAGNOSIS SENSOR UNIT

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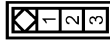
SRS AIR BAG CONTROL SYSTEM

Connector No.	B12
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-TV



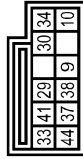
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	B13
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B	-

Connector No.	B15
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-2V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	PLHC(-)
10	Y	PLHC(-)
29	G	CLHC(-)
30	R	CLHC(-)
33	Y	SLHC(-)
34	Y	SLHC(-)
37	P	SATELLITE LHC(-)
38	L	SATELLITE LHC(-)
41	SB	LH BUCKLE SW INPUT
44	SHIELD	GND

Connector No.	B19
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	B20
Connector Name	RHSIDE AIR BAG (SATELLITE) SENSOR
Connector Type	TK02FY-TV-EX



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

Connector No.	B25
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FOR



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

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS(6-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
6	R	-
7	V	-

Connector No.	B212
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-TV



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

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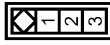
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DIAGNOSIS SENSOR UNIT

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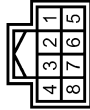
SRS AIR BAG CONTROL SYSTEM

Connector No.	B213
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	A03FW



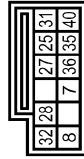
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH08FW-RH



Terminal No.	Color of Wire	Signal Name [Specification]
2	V	COMMUNICATION
4	R	IGN
5	B	GND

Connector No.	B215
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-IV-EX



Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	PRH(-)
8	Y	PRH(-)
25	LG	RH BUCKLE SW INPUT
27	P	CRH(-)
28	L	CRH(-)
31	Y	SRH(-)
32	Y	SRH(-)
35	G	SATELLITE RH(-)
36	R	SATELLITE RH(-)
40	SHIELD	GND

Connector No.	B219
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	B220
Connector Name	RH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HK02FY-IV-EX



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

Connector No.	B225
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



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

Connector No.	E36
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02FY-IV-EX



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

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH08FY-C516-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
68	SHIELD	-
59	L	-
70	P	-

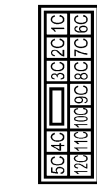
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DIAGNOSIS SENSOR UNIT

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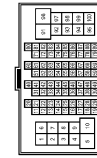
SRS AIR BAG CONTROL SYSTEM

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12PW-GS



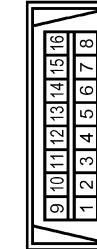
Terminal No.	Color of Wire	Signal Name [Specification]
11C	LG	-
12C	R	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
58	SHIELD	-
59	V	-
70	SB	-

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	ED18FW



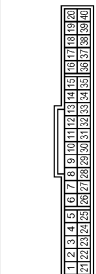
Terminal No.	Color of Wire	Signal Name [Specification]
6	L	-
14	P	-

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TR08FY-EX-1Y



Terminal No.	Color of Wire	Signal Name [Specification]
28	Y	-
29	Y	-
30	Y	-

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB40FW



Terminal No.	Color of Wire	Signal Name [Specification]
5	B	GND
7	LG	AIR BAG
15	B	GND
21	R	IGN
22	B	GND
28	L	SEAT BELT BUCKLE SW (DRIVER SIDE) [With A/T]
28	LG	SEAT BELT BUCKLE SW (PASSENGER SIDE) [With M/T]
30	G	SEAT BELT

Connector No.	M73
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TH04MW-1H



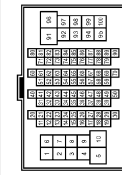
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
4	B	-

Connector No.	M103
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	FR03FY-5D



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	Y	-
4	Y	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
6	R	-
7	L	-

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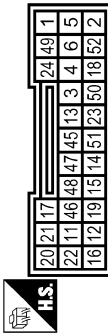
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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

SRS AIR BAG CONTROL SYSTEM

Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	IGN
2	B	GND
3	Y	DRL (+)
4	Y	DRL (-) DRZ (-)
5	Y	ASTI (+)
6	Y	ASTI (-)
11	SB	ECZS (+)
12	V	ECZS (-)
15	LG	AIR BAG W/L
16	SHIELD	GND
18	R	CUTOFF TELLTALE

21	L	CAN-H
24	G	SEAT BELT DRZ (+)
45	Y	DRZ (-)
46	P	CAN-L
47	Y	ASZ (+)
48	Y	ASZ (-)
49	L	O/S INPUT

Connector No.	M301
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA02FOR



Terminal No.	Color of Wire	Signal Name [Specification]
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Connector No.	M302
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
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SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:000000001694652

1.CHECK FRONT AIR BAG MODULE

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to [SRC-129](#) or [SRC-131, "Diagnosis Procedure \(Component diagnosis\)"](#).

NO >> GO TO 2.

2.CHECK AIR BAG FUSE

Check the air bag fuse. Refer to [PG-92, "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 DIAGNOSIS SENSOR UNIT

Check the screen of CONSULT-III.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace diagnosis sensor unit (ACU). Refer to [SR-16, "Exploded View"](#).

5.CHECK HARNESS CONNECTION

Check harness connection between air bag warning lamp and diagnosis sensor unit.

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-38, "Intermittent Incident"](#).

NO >> Replace wiring harness connector.

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SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:000000001879545

“SRS AIR BAG” Warning Lamp Does Not Turn ON

1.CHECK METER FUSE

Check the meter fuse. Refer to [PG-92, "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 diagnosis sensor unit and combination meter.

2. Disconnect diagnosis sensor unit connector and turn ignition switch ON.

Did air bag warning lamp turn ON?

YES >> Replace diagnosis sensor unit (ACU). Refer to [SR-16, "Exploded View"](#).

NO >> Replace combination meter assembly. Refer to [MWI-160, "Removal and Installation"](#).

PASSENGER SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

PASSENGER SEAT BELT WARNING SYSTEM

Diagnosis Procedure

INFOID:000000001694653

1.CHECK THE SYSTEM 1

Check the seat belt warning lamp function.

Sea tbelt warning lamp turns ON in the following conditions.

- Driver seat belt is fastened.
- Occupant is on passenger seat.
- Passenger seat belt is not fasten.

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 (passenger side) circuit.
- Seat belt buckle switch (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 passenger seat.
- Passenger seat belt is fastened.

Is the inspection result normal?

YES >> System is OK.

NO >> Check the followings.

- Seat belt buckle switch (passenger side) circuit.
- Seat belt buckle switch (passenger side).

If these are OK, replace air bag diagnosis sensor unit.

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PRECAUTIONS

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PRECAUTIONS

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

INFOID:000000001694782

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 AIRBAG" and "SEAT BELT" of this Service Manual.

WARNING:

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

Service

INFOID:000000001683005

- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect both battery cables and wait at least 3 minutes.
For approximately 3 minutes after the cables are removed, it is still possible for the air bag and seat belt pretensioner to deploy. Therefore, do not work on any SRS connectors or wires until at least 3 minutes have 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 function after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

Precaution for Battery Service

INFOID:000000002912447

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

Occupant Classification System

INFOID:000000001837806

- Replace occupant classification system control unit and passenger front seat cushion as an assembly. Refer to [SE-152, "Removal and Installation"](#).