

SECTION **SRC**

SRS AIRBAG CONTROL SYSTEM

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

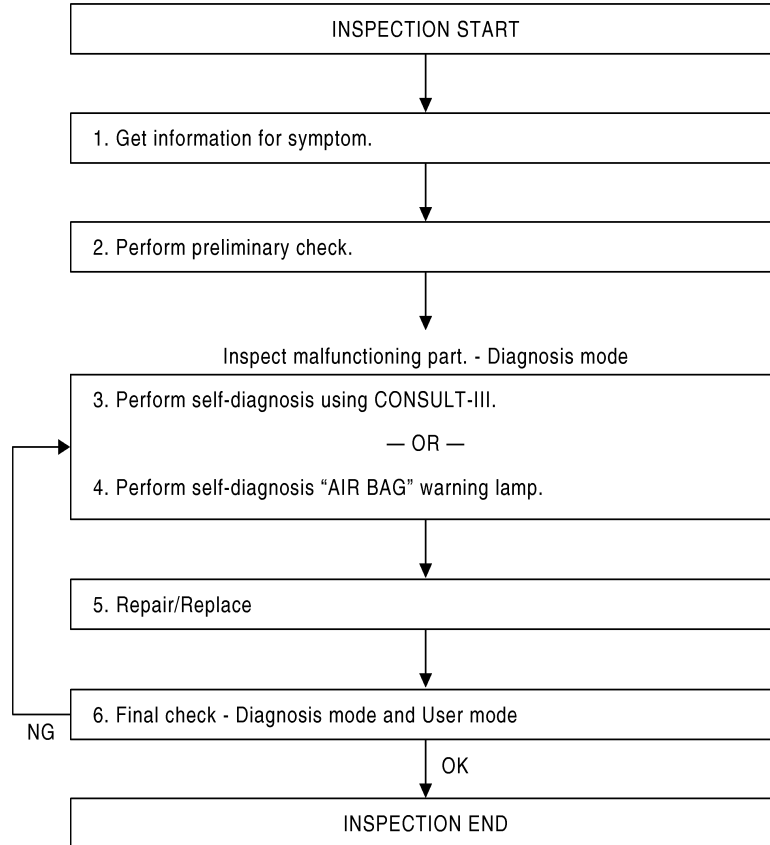
BASIC INSPECTION

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 power supply circuit?

YES >> GO TO 3.

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" displayed on CONSULT-III?

YES >> GO TO 4.

NO >> Repeat DTC confirmation with diagnostic procedure.

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

Is malfunctioning part detected?

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 malfunctioning is repaired, erase the self-diagnostic result. Refer to [SRC-10, "Diagnosis Description"](#).

>> GO TO 6.

6. FINAL CHECK-DIAGNOSIS MODE AND USER MODE

Check the screen of CONSULT-III and/or, Warning lamp status.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> GO TO 3 or GO TO 4.

SRS AIR BAG SYSTEM

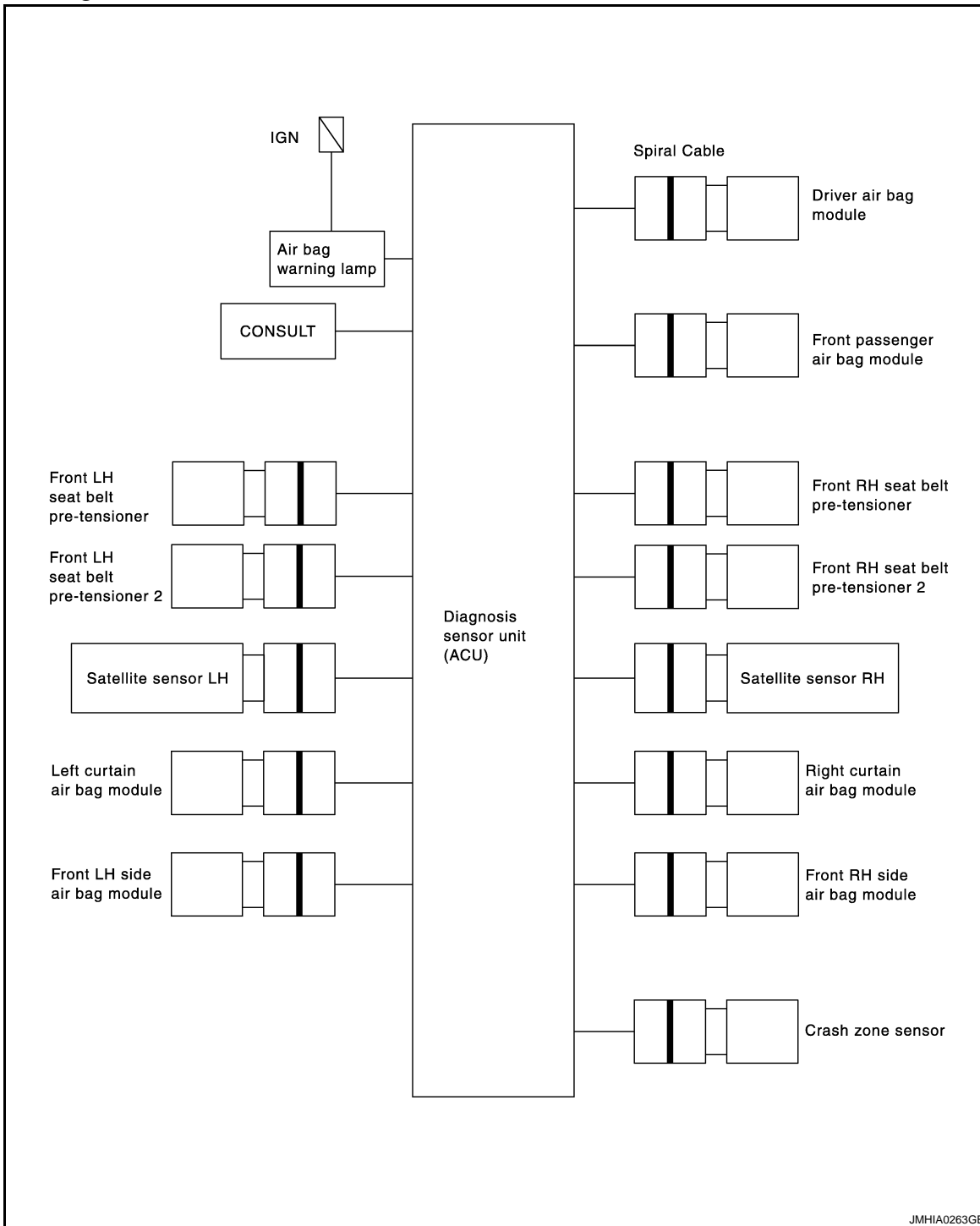
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FUNCTION DIAGNOSIS

SRS AIR BAG SYSTEM

System Diagram

INFOID:000000001308974



System Description

INFOID:000000001308975

This SRS Air Bag System has the following function.

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

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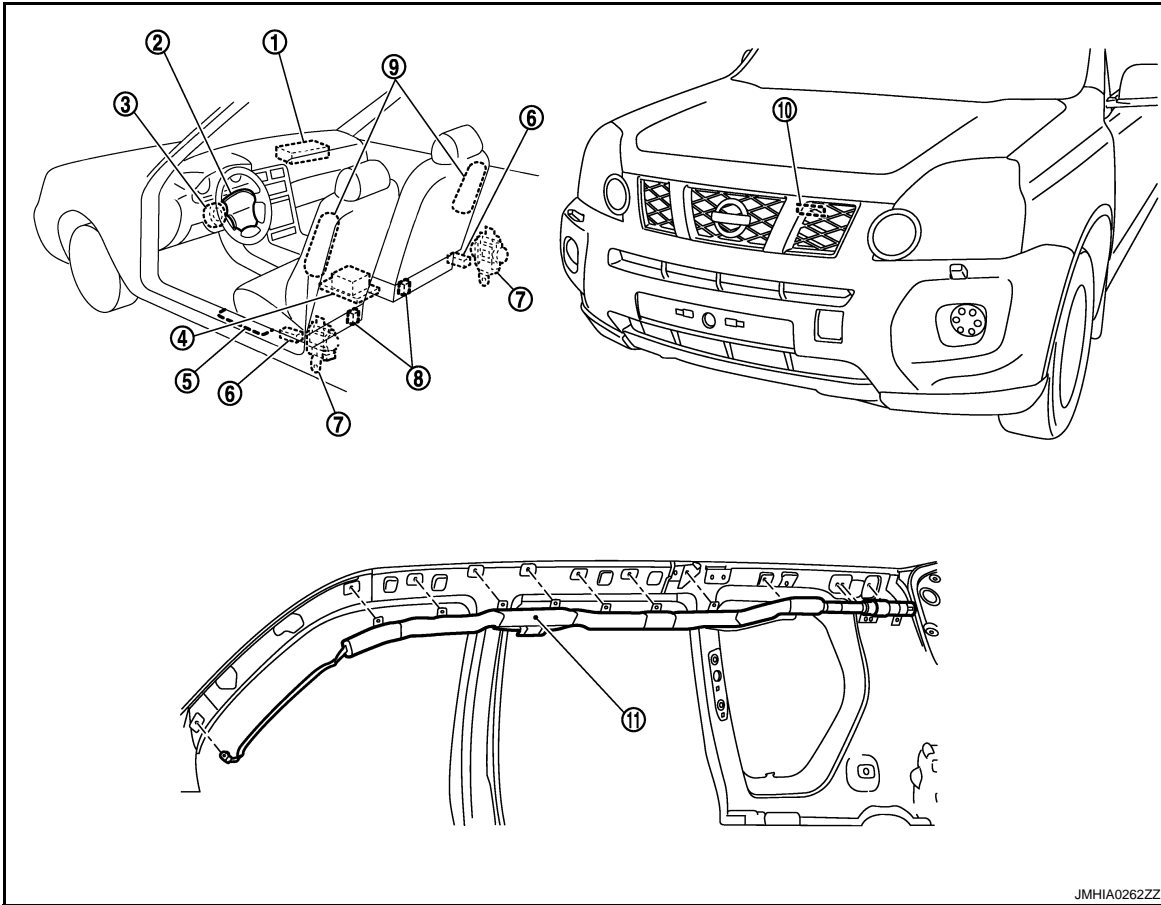
SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

3. Detect and record the deployment of air bag and seat belt pre-tensioner, and turn on air bag warning lamp.
4. Indicate malfunctioning portion with blinking times of air bag warning lamp in diagnosis mode.
5. Indicate the malfunctioning record by CONSULT-III.

Component Parts Location

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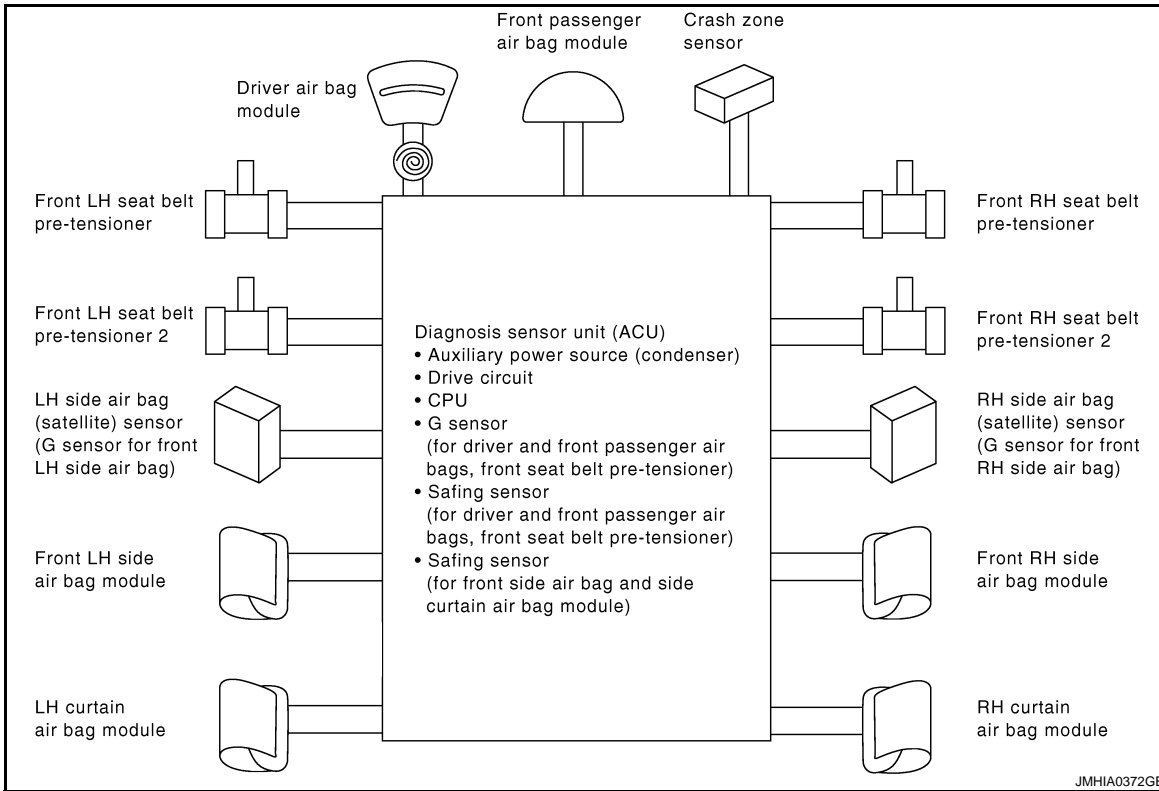
- | | | |
|--|---|--------------------------------------|
| 1. Front passenger air bag module | 2. Driver air bag module | 3. Spiral cable |
| 4. Diagnosis sensor unit (ACU) | 5. Front seat belt pre-tensioner 2 (with driver side) | 6. Satellite sensor (LH/RH) |
| 7. Front seat belt pre-tensioner (LH/RH) | 8. Seat belt buckle switch (LH/RH) | 9. Front side air bag module (LH/RH) |
| 10. Crash zone sensor | 11. Curtain air bag module | |

SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

Component Description

INFOID:000000001308977



- 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 application. 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-130	×	—	—
Front passenger air bag module. Refer to SRC-130	×	—	—
Front LH seat belt pre-tensioner. Refer to SRC-130	×	—	—
Front RH seat belt pre-tensioner. Refer to SRC-130	×	—	—
Front LH seat belt pre-tensioner2. Refer to SRC-130	×	—	—
Front RH seat belt pre-tensioner2. Refer to SRC-130	×	—	—
Front LH side air bag module. Refer to SRC-132	—	×	—
Front RH side air bag module. Refer to SRC-132	—	—	×
LH curtain air bag module. Refer to SRC-132	—	×	—
RH curtain air bag module. Refer to SRC-132	—	—	×

×: Application, —: Not application

DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

DIAGNOSIS SYSTEM (AIRBAG)

Diagnosis Description

INFOID:000000001308978

CAUTION:

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

DIAGNOSIS FUNCTION

- The SRS self-diagnosis results can be read by using "AIR BAG" warning lamp and/or CONSULT-III.
- The user mode is exclusively prepared for the customer (driver). This mode warns the driver of a system malfunction through the operation of the "AIR BAG" warning lamp.
- The diagnosis mode allows the technician to locate and inspect the malfunctioning part.
- The mode applications for the "AIR BAG" warning lamp and CONSULT-III are as follows:

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

HOW TO PERFORM TROUBLE DIAGNOSIS FOR QUICK AND ACCURATE REPAIR

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

Information from Customer

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

Preliminary Check

Check that the following parts are in good order.

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

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

- "SELF-DIAG [CURRENT]"
A current self-diagnosis result is displayed on CONSULT-III screen in real time. After the malfunction is repaired completely, no malfunction is detected on "SELF-DIAG [CURRENT]".
- "SELF-DIAG [PAST]"
Return to "SELF-DIAG [CURRENT]"CONSULT-III screen by touching "BACK" key of CONSULT-III and select "SELF-DIAG [CURRENT]" in SELECT DIAG MODE. Touch "ERASE" in "SELF-DIAG [CURRENT]" mode.
NOTE:
If the memory of the malfunction in "SELF-DIAG [PAST]" is not erased, the user mode shows the system malfunction by the operation of the warning lamp even if the malfunction is repaired completely.
- "TROUBLE DIAG RECORD"
The memory of "TROUBLE DIAG RECORD" cannot be erased.

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

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

DIAGNOSIS SYSTEM (AIRBAG)

< FUNCTION DIAGNOSIS >

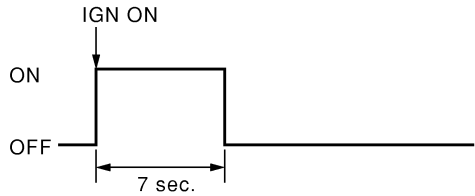
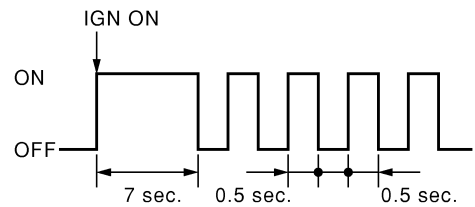
DIAGNOSTIC PROCEDURE (User mode)

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)

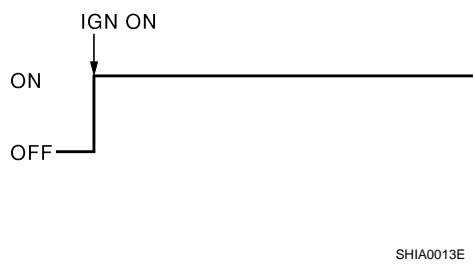
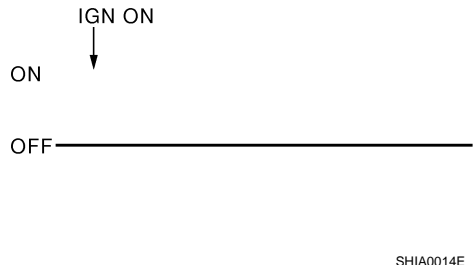
"AIR BAG" warning lamp operation -User mode	SRS condition	Reference item
 <p style="text-align: right;">SHIA0011E</p>	<ul style="list-style-type: none"> • No malfunction is detected. • No further action is necessary. 	<p style="text-align: center;">—</p>
 <p style="text-align: right;">SHIA0012E</p>	<ul style="list-style-type: none"> • The system is malfunctioning and needs to be repaired as indicated. 	<p>Go to SRC-10, "Diagnosis Description".</p>

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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. 	<p>Go to SRC-130, "Diagnosis Procedure (Component diagnosis)" or SRC-132, "Diagnosis Procedure (Component diagnosis)".</p>
 <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. 	<p>Go to SRC-151, "Symptom Table".</p>

DIAGNOSTIC PROCEDURE (With CONSULT-III)

Refer to [SRC-12](#), "[CONSULT-III Function](#)".

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.

CONSULT-III Function

INFOID:000000001308979

DIAGNOSIS MODE FOR CONSULT-III

- “SELF-DIAG [CURRENT]”
A current self-diagnosis results (also indicated with the number of warning lamp fblicking 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 is assigned with 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 same. Refer to [SR-19](#), "[Removal and Installation](#)".

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 >

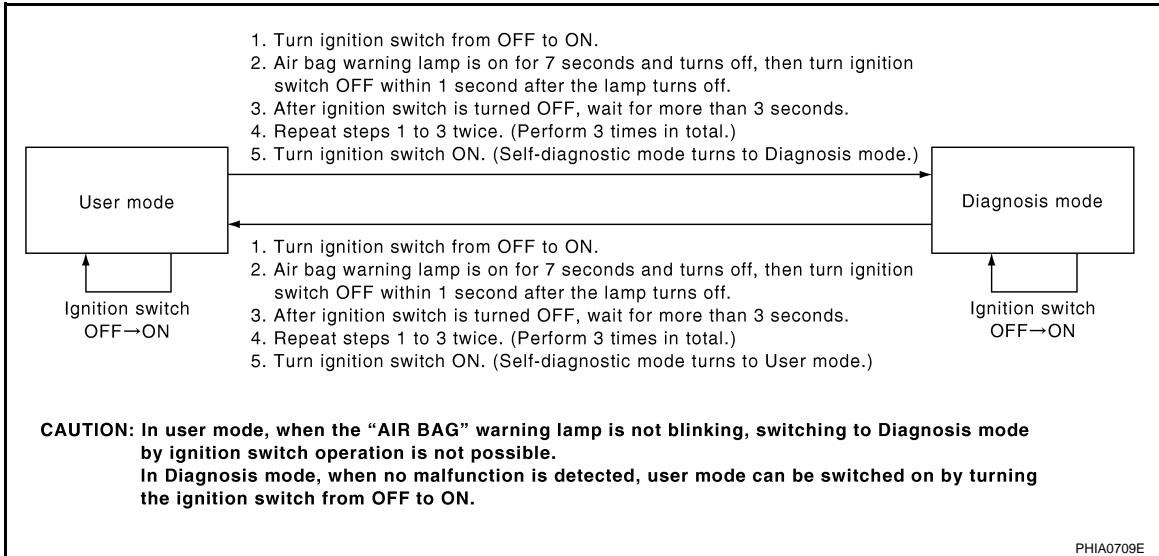
From Diagnosis Mode to User Mode

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



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

< COMPONENT DIAGNOSIS >

COMPONENT DIAGNOSIS

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

Description

INFOID:000000001308980

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 operate properly.

STRUCTURE

It contains the G sensors of both for frontal collision and for side collision 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:000000001308981

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	DIAGNOSIS SENSOR UNIT	Diagnosis sensor unit is out of order.	<ul style="list-style-type: none">Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

- YES >> Refer to [SRC-15, "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.IGNITION SWITCH

Turn ignition switch ON.

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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001308982

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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SRC

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001308983

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 operate properly.

STRUCTURE

It contains the G sensors of both for frontal collision and for side collision 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:000000001308984

DTC DETECTION LOGIC

With CONSULT--

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	DIAGNOSIS SENSOR UNIT	Diagnosis sensor unit is out of order.	<ul style="list-style-type: none">Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

- YES >> Refer to [SRC-17. "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

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

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001308985

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001308986

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 operate properly.

STRUCTURE

It contains the G sensors of both for frontal collision and for side collision 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:000000001308987

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	DIAGNOSIS SENSOR UNIT	Diagnosis sensor unit is out of order.	<ul style="list-style-type: none">Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

- YES >> Refer to [SRC-19. "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

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

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001308988

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001308995

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 watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the G sensors of both for frontal collision and for side collision 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:000000001308996

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	DIAGNOSIS SENSOR UNIT	Diagnosis sensor unit is out of order.	<ul style="list-style-type: none">Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “DIAGNOSIS SENSOR UNIT” displayed on CONSULT-III?

- YES >> Refer to [SRC-21. "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.IGNITION SWITCH

Turn ignition switch ON.

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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001308997

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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SRC

B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

B1033, B1034 CRASH ZONE SEN

Description

INFOID:000000001308998

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 feed 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:000000001308999

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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "CRASH ZONE SENSOR" displayed on CONSULT-III?

- YES >> Refer to [SRC-23, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1033, B1034 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309000

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK CRASH ZONE SENSOR

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1035 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

B1035 CRASH ZONE SEN

Description

INFOID:000000001309001

DTC B1035 [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 feed 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:000000001309002

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

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "CRASH ZONE SENSOR" displayed on CONSULT-III?

- YES >> Refer to [SRC-25, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1035 CRASH ZONE SEN

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309003

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK CRASH ZONE SENSOR

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001309004

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 watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the G sensors of both for frontal collision and for side collision 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:000000001309005

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	DIAGNOSIS SENSOR UNIT	Diagnosis sensor unit is out of order.	<ul style="list-style-type: none">Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “DIAGNOSIS SENSOR UNIT” displayed on CONSULT-III?

- YES >> Refer to [SRC-27. "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.IGNITION SWITCH

Turn ignition switch ON.

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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309006

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1049 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

B1049 DRIVER AIRBAG MODULE

Description

INFOID:000000001309007

DTC B1049 [OPEN] DRIVER AIRBAG MODULE

For driver AIR BAG, 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

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 retaining clips.

DTC Logic

INFOID:000000001309008

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	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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "DRIVER AIR BAG" displayed on CONSULT-III?

- YES >> Refer to [SRC-29, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1049 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309009

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK DRIVER AIR BAG

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

Are the malfunctions corrected?

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

4.CHECK SPIRAL CABLE

Check continuity of spiral cable.

Is continuity of spiral cable good?

- YES >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).
NO >> Replace spiral cable.

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B1050 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

B1050 DRIVER AIRBAG MODULE

Description

INFOID:000000001309010

DTC B1050 [VB-SHORT] DRIVER AIRBAG MODULE

For driver AIR BAG, 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

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 retaining clips.

DTC Logic

INFOID:000000001309011

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

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "DRIVER AIR BAG" displayed on CONSULT-III?

- YES >> Refer to [SRC-31, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1050 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309012

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK DRIVER AIR BAG

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

Are the malfunctions corrected?

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

4.CHECK SPIRAL CABLE

Check continuity of spiral cable.

Is continuity of spiral cable good?

- YES >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).
NO >> Replace spiral cable.

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B1051 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

B1051 DRIVER AIRBAG MODULE

Description

INFOID:000000001309013

DTC B1051 [GND-SHORT] DRIVER AIRBAG MODULE

For driver AIR BAG, 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

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 retaining clips.

DTC Logic

INFOID:000000001309014

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	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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "DRIVER AIR BAG" displayed on CONSULT-III?

- YES >> Refer to [SRC-33, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1051 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309015

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK DRIVER AIR BAG

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

Are the malfunctions corrected?

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

4.CHECK SPIRAL CABLE

Check continuity of spiral cable.

Is continuity of spiral cable good?

- YES >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).
NO >> Replace spiral cable.

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SRC

B1052 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

B1052 DRIVER AIRBAG MODULE

Description

INFOID:000000001309016

DTC B1052 [SHORT] DRIVER AIRBAG MODULE

For driver AIR BAG, 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

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 retaining clips.

DTC Logic

INFOID:000000001309017

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	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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "DRIVER AIR BAG" displayed on CONSULT-III?

- YES >> Refer to [SRC-35, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1052 DRIVER AIRBAG MODULE

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309018

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK DRIVER AIR BAG

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

Are the malfunctions corrected?

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

4.CHECK SPIRAL CABLE

Check continuity of spiral cable.

Is continuity of spiral cable good?

- YES >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).
NO >> Replace spiral cable.

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001309019

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 CONSULTIII.

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 operate properly.

STRUCTURE

It contains the G sensors of both for frontal collision and for side collision 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:000000001309020

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	DIAGNOSIS SENSOR UNIT	Diagnosis sensor unit is out of order.	<ul style="list-style-type: none">Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “DIAGNOSIS SENSOR UNIT” displayed on CONSULT-III?

- YES >> Refer to [SRC-37. "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.IGNITION SWITCH

Turn ignition switch ON.

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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309021

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1065 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

B1065 ASSIST A/B MODULE

Description

INFOID:000000001309022

DTC B1065 [OPEN] ASSIST A/B MODULE

For passenger AIR BAG, 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

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:000000001309023

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	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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “PASSENGER AIR BAG” displayed on CONSULT-III?

- YES >> Refer to [SRC-39, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1065 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309024

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK PASSENGER AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1066 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

B1066 ASSIST A/B MODULE

Description

INFOID:000000001309025

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

For front passenger AIR BAG, 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

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:000000001309026

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	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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "PASSENGER AIR BAG" displayed on CONSULT-III?

- YES >> Refer to [SRC-41, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1066 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309027

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK PASSENGER AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1067 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

B1067 ASSIST A/B MODULE

Description

INFOID:000000001309028

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

For front passenger AIR BAG, 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

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:000000001309029

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	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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "PASSENGER AIR BAG" displayed on CONSULT-III?

- YES >> Refer to [SRC-43, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1067 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309030

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK PASSENGER AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1068 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

B1068 ASSIST A/B MODULE

Description

INFOID:000000001309031

DTC B1068 [SHORT] ASSIST A/B MODULE

For front passenger AIR BAG, 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

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:000000001309032

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	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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “PASSENGER AIR BAG” displayed on CONSULT-III?

- 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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1068 ASSIST A/B MODULE

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309033

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK PASSENGER AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001309034

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 watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the G sensors of both for frontal collision and for side collision 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:000000001309035

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	DIAGNOSIS SENSOR UNIT	Diagnosis sensor unit is out of order.	<ul style="list-style-type: none">Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “DIAGNOSIS SENSOR UNIT” displayed on CONSULT-III?

- YES >> Refer to [SRC-47. "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.IGNITION SWITCH

Turn ignition switch ON.

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

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309036

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1081 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

B1081 PRE-TEN FRONT RH

Description

INFOID:000000001309037

DTC B1081 [OPEN] PRE-TEN FRONT RH

For 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

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

DTC Logic

INFOID:000000001309038

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 pretensioner 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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER” displayed on CONSULT-III?

- YES >> Refer to [SRC-49, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1081 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309039

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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SRC

B1082 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

B1082 PRE-TEN FRONT RH

Description

INFOID:000000001309040

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

For 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

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

DTC Logic

INFOID:000000001309041

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 pretensioner 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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER” displayed on CONSULT-III?

- 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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1082 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309042

With CONSULT-III

WARNING:

- **Befor 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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1083 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

B1083 PRE-TEN FRONT RH

Description

INFOID:000000001309043

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

For 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

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

DTC Logic

INFOID:000000001309044

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 pretensioner 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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER” displayed on CONSULT-III?

- YES >> Refer to [SRC-53, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1083 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309045

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1084 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

B1084 PRE-TEN FRONT RH

Description

INFOID:000000001309046

DTC B1084 [SHORT] PRE-TEN FRONT RH

For 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

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

DTC Logic

INFOID:000000001309047

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 pretensioner 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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER” displayed on CONSULT-III?

- YES >> Refer to [SRC-55, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1084 PRE-TEN FRONT RH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309048

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK SEAT BELT PRE-TENSIONER

1. Replace front RH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1086 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

B1086 PRE-TEN FRONT LH

Description

INFOID:000000001309049

DTC B1086 [OPEN] PRE-TEN FRONT LH

For 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

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

DTC Logic

INFOID:000000001309050

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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER” displayed on CONSULT-III?

- YES >> Refer to [SRC-57, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1086 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309051

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1087 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

B1087 PRE-TEN FRONT LH

Description

INFOID:000000001309052

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

For 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

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

DTC Logic

INFOID:000000001309053

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 pretensioner 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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER” displayed on CONSULT-III?

- YES >> Refer to [SRC-59, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1087 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309054

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1088 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

B1088 PRE-TEN FRONT LH

Description

INFOID:000000001309055

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

For 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

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

DTC Logic

INFOID:000000001309056

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 pretensioner 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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER” displayed on CONSULT-III?

- YES >> Refer to [SRC-61, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1088 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309057

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

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

3.CHECK SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1089 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

B1089 PRE-TEN FRONT LH

Description

INFOID:000000001309058

DTC B1089 [SHORT] PRE-TEN FRONT LH

For 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

Seat belt pre-tensioner is installed on the under side of center pillar with fixed nuts.

DTC Logic

INFOID:000000001309059

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 pretensioner 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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT WITH CONSULT-III

Is seat belt pre-tensioner displayed on CONSULT-III?

YES or NO

- YES >> Refer to [SRC-61, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1089 PRE-TEN FRONT LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Is the blinking frequency of air bag warning lamp normal?

YES or NO

YES >> INSPECTION END.

NO >> Refer to [SRC-134, "DTC Index"](#).

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309060

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals?

Are the harness external parts normal (no damage)?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.CHECK SEAT BELT PRE-TENSIONER

1. Replace front LH seat belt pre-tensioner.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001309061

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 watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the G sensors of both for frontal collision and for side collision 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:000000001309062

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	DIAGNOSIS SENSOR UNIT	Diagnosis sensor unit is out of order.	<ul style="list-style-type: none">Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

- YES >> Refer to [SRC-65. "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.IGNITION SWITCH

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 the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309063

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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SRC

B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

B1113, B1114 SATELLITE SENS RH

Description

INFOID:000000001309064

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 feed 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

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

DTC Logic

INFOID:000000001309065

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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SATELLITE SENSOR” displayed on CONSULT-III?

- YES >> Refer to [SRC-67, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1113, B1114 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309066

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SATELLITE SENSOR

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1115 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

B1115 SATELLITE SENS RH

Description

INFOID:000000001309067

DTC B1115 [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 feed 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

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

DTC Logic

INFOID:000000001309068

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]	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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "SATELLITE SENSOR" displayed on CONSULT-III?

- YES >> Refer to [SRC-65, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1115 SATELLITE SENS RH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309069

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SATELLITE SENSOR

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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SRC

B1118, B1119 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

B1118, B1119 SATELLITE SENS LH

Description

INFOID:000000001309070

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 feed 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 out put terminals for signal voltage.

INSTALLATION

Satellite sensor is installed at the under side of center pillar with fixed nuts.

DTC Logic

INFOID:000000001309071

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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SATELLITE SENSOR” displayed on CONSULT-III?

- YES >> Refer to [SRC-71, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1118, B1119 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309072

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SATELLITE SENSOR

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1120 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

B1120 SATELLITE SENS LH

Description

INFOID:000000001309073

DTC B1120 [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 feed 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

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

DTC Logic

INFOID:000000001309074

DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1120	SATELLITE SENS LH [COMM FAIL]	LH satellite 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).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "SATELLITE SENSOR" displayed on CONSULT-III?

- YES >> Refer to [SRC-73, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1120 SATELLITE SENS LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309075

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SATELLITE SENSOR

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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SRC

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001309076

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 watches such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts operate properly.

STRUCTURE

It contains the G sensors of both for frontal collision and for side collision 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:000000001309077

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	DIAGNOSIS SENSOR UNIT	Diagnosis sensor unit is out of order.	<ul style="list-style-type: none">Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

- YES >> Refer to [SRC-75. "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.IGNITION SWITCH

Turn ignition switch ON.

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 the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309078

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1129 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

B1129 SIDE MODULE RH

Description

INFOID:000000001309079

DTC B1129 [OPEN] SIDE MODULE RH

For side air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309080

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.• Replace diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SIDE AIR BAG” displayed on CONSULT-III?

- YES >> Refer to [SRC-77, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1129 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309081

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SIDE AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1130 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

B1130 SIDE MODULE RH

Description

INFOID:000000001309082

DTC B1130 [VB-SHORT] SIDE MODULE RH

For side air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309083

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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SIDE AIR BAG” displayed on CONSULT-III?

- YES >> Refer to [SRC-79, "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.IGNITION SWITCH

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 the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309084

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SIDE AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1131 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

B1131 SIDE MODULE RH

Description

INFOID:000000001309085

DTC B1131 [GND-SHORT] SIDE MODULE RH

For side air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309086

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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SIDE AIR BAG” displayed on CONSULT-III?

- YES >> Refer to [SRC-81, "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.IGNITION SWITCH

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 the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309087

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SIDE AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1132 SIDE MODULE RH

< COMPONENT DIAGNOSIS >

B1132 SIDE MODULE RH

Description

INFOID:000000001309088

DTC B1132 [SHORT] SIDE MODULE RH

For side air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309089

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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SIDE AIR BAG” displayed on CONSULT-III?

- YES >> Refer to [SRC-83, "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.IGNITION SWITCH

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 the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309090

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SIDE AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1134 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

B1134 SIDE MODULE LH

Description

INFOID:000000001309091

DTC B1134 [OPEN] SIDE MODULE LH

For side air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309092

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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SIDE AIR BAG” displayed on CONSULT-III?

- YES >> Refer to [SRC-85, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1134 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309093

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SIDE AIR BAG

1. Replace Front LH side air bag module.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1135 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

B1135 SIDE MODULE LH

Description

INFOID:000000001309094

DTC B1135 [VB-SHORT] SIDE MODULE LH

For side air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309095

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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SIDE AIR BAG” displayed on CONSULT-III?

- YES >> Refer to [SRC-87, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1135 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309096

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SIDE AIR BAG

1. Replace Front LH side air bag module.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1136 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

B1136 SIDE MODULE LH

Description

INFOID:000000001309097

DTC B1136 [GND-SHORT] SIDE MODULE LH

For side air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309098

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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SIDE AIR BAG” displayed on CONSULT-III?

YES >> Refer to [SRC-89. "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1136 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309099

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SIDE AIR BAG

1. Replace Front LH side air bag module.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1137 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

B1137 SIDE MODULE LH

Description

INFOID:000000001309100

DTC B1137 [SHORT] SIDE MODULE LH

For side air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309101

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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "SIDE AIR BAG" displayed on CONSULT-III?

- YES >> Refer to [SRC-91, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1137 SIDE MODULE LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309102

With CONSULT-III

WARNING:

- Befor 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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SIDE AIR BAG

1. Replace Front LH side air bag module.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001309103

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 operate properly.

STRUCTURE

It contains the G sensors of both for frontal collision and for side collision 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:000000001309104

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	DIAGNOSIS SENSOR UNIT	Diagnosis sensor unit is out of order.	<ul style="list-style-type: none">Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

- YES >> Refer to [SRC-93. "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.IGNITION SWITCH

Turn ignition switch ON.

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 the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309105

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1145 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

B1145 CURTAIN MODULE RH

Description

INFOID:000000001309106

DTC B1145 [OPEN] CURTAIN MODULE RH

For curtain air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309107

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 curtain air bag module circuit is open.	<ul style="list-style-type: none">• Disconnection of wiring harness and open.• Internal breakdown in RH curtain air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "CURTAIN AIR BAG" displayed on CONSULT-III?

- YES >> Refer to [SRC-95, "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.IGNITION SWITCH

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 the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309108

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK CURTAIN AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1146 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

B1146 CURTAIN MODULE RH

Description

INFOID:000000001309109

DTC B1146 [VB-SHORT] CURTAIN MODULE RH

For curtain air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309110

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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "CURTAIN AIR BAG" displayed on CONSULT-III?

- YES >> Refer to [SRC-97, "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.IGNITION SWITCH

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 the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309111

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK CURTAIN AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1147 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

B1147 CURTAIN MODULE RH

Description

INFOID:000000001309112

DTC B1147 [GND-SHORT] CURTAIN MODULE RH

For curtain air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309113

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 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 curtain air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “CURTAIN AIR BAG” displayed on CONSULT-III?

- YES >> Refer to [SRC-99, "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.IGNITION SWITCH

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 the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309114

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK CURTAIN AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1148 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

B1148 CURTAIN MODULE RH

Description

INFOID:000000001309115

DTC B1148 [SHORT] CURTAIN MODULE RH

For curtain air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309116

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 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 curtain air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "CURTAIN AIR BAG" displayed on CONSULT-III?

YES >> Refer to [SRC-101, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1148 CURTAIN MODULE RH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309117

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK CURTAIN AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1150 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

B1150 CURTAIN MODULE LH

Description

INFOID:000000001309118

DTC B1150 [OPEN] CURTAIN MODULE LH

For curtain air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309119

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 curtain air bag module circuit is open.	<ul style="list-style-type: none">• Disconnection of wiring harness and open.• Internal breakdown in LH curtain air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “CURTAIN AIR BAG” displayed on CONSULT-III?

YES >> Refer to [SRC-103, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1150 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309120

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK CURTAIN AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1151 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

B1151 CURTAIN MODULE LH

Description

INFOID:000000001309121

DTC B1151 [VB-SHORT] CURTAIN MODULE LH

For curtain air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309122

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 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 curtain air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “CURTAIN AIR BAG” displayed on CONSULT-III?

YES >> Refer to [SRC-105, "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.IGNITION SWITCH

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 the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309123

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK CURTAIN AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1152 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

B1152 CURTAIN MODULE LH

Description

INFOID:000000001309124

DTC B1152 [GND-SHORT] CURTAIN MODULE LH

For curtain air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309125

DTC DETECTION LOGIC

With CONSULT-III

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

DTC No.	Trouble diagnosis name	DTC detecting condition	Possible cause
B1152	CURTAIN MODULE LH [GND-SHORT]	LH 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 curtain air-bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “CURTAIN AIR BAG” displayed on CONSULT-III?

YES >> Refer to [SRC-107, "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.IGNITION SWITCH

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 the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309126

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK CURTAIN AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1153 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

B1153 CURTAIN MODULE LH

Description

INFOID:000000001309127

DTC B1153 [SHORT] CURTAIN MODULE LH

For curtain air bag, crash is judged by main G sensor output signal (left side: left satellite sensor, right 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

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

INSTALLATION

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

DTC Logic

INFOID:000000001309128

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 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 curtain air bag module.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “CURTAIN AIR BAG” displayed on CONSULT-III?

YES >> Refer to [SRC-109, "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.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

B1153 CURTAIN MODULE LH

< COMPONENT DIAGNOSIS >

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309129

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK CURTAIN AIR BAG

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000001309130

DTC B1170, B1171, B1172, B1173, B1174, B1175 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 operate properly.

STRUCTURE

It contains the G sensors of both for frontal collision and for side collision 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:000000001309131

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
B1170 B1171 B1172 B1173 B1174 B1175	DIAGNOSIS SENSOR UNIT	Diagnosis sensor unit is out of order.	<ul style="list-style-type: none">Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “DIAGNOSIS SENSOR UNIT” displayed on CONSULT-III?

- YES >> Refer to [SRC-111, "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.IGNITION SWITCH

Turn ignition switch ON.

B1170, B1171, B1172, B1173, B1174, B1175 DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309132

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1177 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

B1177 PRE-TEN2 FRONT RH

Description

INFOID:000000001309133

DTC B1177 [OPEN] PRE-TEN 2 FRONT RH

For seat belt pre-tensioner 2, 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

Seat belt pre-tensioner 2 is installed on the under side of center pillar with fixed bolt.

DTC Logic

INFOID:000000001309134

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
B1177	PRE-TEN 2 FRONT RH [OPEN]	Front RH seat belt pre-tensioner 2 circuit is open.	<ul style="list-style-type: none">• Disconnection of wiring harness and open.• Internal breakdown in front RH seat belt pre-tensioner 2.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER 2” displayed on CONSULT-III?

- YES >> Refer to [SRC-113, "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.IGNITION SWITCH

Turn ignition switch ON.

B1177 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309135

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

YES >> GO TO 3.

NO >> Replace wiring harness..

3.CHECK SEAT BELT PRE-TENSIONER 2

1. Replace front RH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1178 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

B1178 PRE-TEN2 FRONT RH

Description

INFOID:000000001309136

DTC B1178 [VB-SHORT] PRE-TEN 2 FRONT RH

For seat belt pre-tensioner 2, 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

Seat belt pre-tensioner 2 is installed on the under side of center pillar with fixed bolt.

DTC Logic

INFOID:000000001309137

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
B1178	PRE-TEN 2 FRONT RH [VB-SHORT]	Front RH seat belt pre-tensioner 2 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 2.• Replace diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "SEAT BELT PRE-TENSIONER 2" displayed on CONSULT-III?

- YES >> Refer to [SRC-115, "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.IGNITION SWITCH

Turn ignition switch ON.

B1178 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309138

With CONSULT-III

WARNING:

- **Befor 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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

YES >> GO TO 3.

NO >> Replace wiring harness..

3.CHECK SEAT BELT PRE-TENSIONER 2

1. Replace front RH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1179 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

B1179 PRE-TEN2 FRONT RH

Description

INFOID:000000001309139

DTC B1179 [GND-SHORT] PRE-TEN 2 FRONT RH

For seat belt pre-tensioner 2, 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

Seat belt pre-tensioner 2 is installed on the under side of center pillar with fixed bolt.

DTC Logic

INFOID:000000001309140

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
B1179	PRE-TEN 2 FRONT RH [GND-SHORT]	Front RH seat belt pre-tensioner 2 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 2.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER 2” displayed on CONSULT-III?

- YES >> Refer to [SRC-117, "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.IGNITION SWITCH

Turn ignition switch ON.

B1179 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309141

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

YES >> GO TO 3.

NO >> Replace wiring harness..

3.CHECK SEAT BELT PRE-TENSIONER 2

1. Replace front RH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1180 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

B1180 PRE-TEN2 FRONT RH

Description

INFOID:000000001309142

DTC B1180 [SHORT] PRE-TEN 2 FRONT RH

For seat belt pre-tensioner 2, 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

Seat belt pre-tensioner 2 is installed on the under side of center pillar with fixed bolt.

DTC Logic

INFOID:000000001309143

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
B1180	PRE-TEN 2 FRONT RH [SHORT]	Front RH seat belt pre-tensioner 2 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 2.• Replace diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER 2” displayed on CONSULT-III?

- YES >> Refer to [SRC-119, "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.IGNITION SWITCH

Turn ignition switch ON.

B1180 PRE-TEN2 FRONT RH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309144

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SEAT BELT PRE-TENSIONER 2

1. Replace front RH seat belt pre-tensioner 2.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1182 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

B1182 PRE-TEN2 FRONT LH

Description

INFOID:000000001309145

DTC B1182 [OPEN] PRE-TEN 2 FRONT LH

For seat belt pre-tensioner 2, 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

Seat belt pre-tensioner 2 is installed on the under side of center pillar with fixed bolt.

DTC Logic

INFOID:000000001309146

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
B1182	PRE-TEN 2 FRONT LH [OPEN]	Front LH seat belt pre-tensioner 2 circuit is open.	<ul style="list-style-type: none">• Disconnection of wiring harness and short.• Internal breakdown in front LH seat belt pre-tensioner 2.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER 2” displayed on CONSULT-III?

- YES >> Refer to [SRC-121, "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.IGNITION SWITCH

Turn ignition switch ON.

B1182 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309147

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SEAT BELT PRE-TENSIONER 2

1. Replace front LH seat belt pre-tensioner 2.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1183 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

B1183 PRE-TEN2 FRONT LH

Description

INFOID:000000001309148

DTC B1183 [VB-SHORT] PRE-TEN 2 FRONT LH

For seat belt pre-tensioner 2, 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

Seat belt pre-tensioner 2 is installed on the under side of center pillar with fixed bolt.

DTC Logic

INFOID:000000001309149

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
B1183	PRE-TEN 2 FRONT LH [VB-SHORT]	Front LH seat belt pre-tensioner 2 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 2.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER 2” displayed on CONSULT-III?

- YES >> Refer to [SRC-123. "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.IGNITION SWITCH

Turn ignition switch ON.

B1183 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309150

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

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

3.CHECK SEAT BELT PRE-TENSIONER 2

1. Replace front LH seat belt pre-tensioner 2.
2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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SRC

B1184 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

B1184 PRE-TEN2 FRONT LH

Description

INFOID:000000001309151

DTC B1184 [GND-SHORT] PRE-TEN 2 FRONT LH

For seat belt pre-tensioner 2, 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

Seat belt pre-tensioner 2 is installed on the under side of center pillar with fixed bolt.

DTC Logic

INFOID:000000001309152

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
B1184	PRE-TEN 2 FRONT LH [GND-SHORT]	Front LH seat belt pre-tensioner 2 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 2.• Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER 2” displayed on CONSULT-III?

- YES >> Refer to [SRC-125. "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.IGNITION SWITCH

Turn ignition switch ON.

B1184 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309153

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

YES >> GO TO 3.

NO >> Replace wiring harness..

3.CHECK SEAT BELT PRE-TENSIONER 2

1. Replace front LH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1185 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

B1185 PRE-TEN2 FRONT LH

Description

INFOID:000000001309154

DTC B1185 [SHORT] PRE-TEN 2 FRONT LH

For seat belt pre-tensioner 2, 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

Seat belt pre-tensioner 2 is installed on the under side of center pillar with fixed bolt.

DTC Logic

INFOID:000000001309155

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
B1185	PRE-TEN 2 FRONT LH [SHORT]	Front LH seat belt pre-tensioner 2 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 2.• Replace diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is “SEAT BELT PRE-TENSIONER 2” displayed on CONSULT-III?

- YES >> Refer to [SRC-127. "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.IGNITION SWITCH

Turn ignition switch ON.

B1185 PRE-TEN2 FRONT LH

< COMPONENT DIAGNOSIS >

>> GO TO 2.

2.CHECK AIR BAG WARNING LAMP

Check the warning lamp status.

Is the warning lamp blinking?

YES >> Refer to [SRC-134, "DTC Index"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309156

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 connection normal?

YES >> GO TO 2.

NO >> Repair or replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

YES >> GO TO 3.

NO >> Replace wiring harness..

3.CHECK SEAT BELT PRE-TENSIONER 2

1. Replace front LH seat belt pre-tensioner 2.

2. Check the screen of CONSULT-III.

Are the malfunctions corrected?

YES >> **INSPECTION END.**

NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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SRC

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

< COMPONENT DIAGNOSIS >

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

Description

INFOID:000000001309157

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 operate properly.

STRUCTURE

It contains the G sensors of both for frontal collision and for side collision 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:000000001309158

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	DIAGNOSIS SENSOR UNIT	Diagnosis sensor unit is out of order.	<ul style="list-style-type: none">Internal breakdown in diagnosis sensor unit (ACU).

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "DIAGNOSIS SENSOR UNIT" displayed on CONSULT-III?

- YES >> Refer to [SRC-129. "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.IGNITION SWITCH

Turn ignition switch ON.

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 the warning lamp blinking?

- YES >> Refer to [SRC-134, "DTC Index"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309159

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 connection normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Are the harness external parts normal (no damage)?

- 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.

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1209 FRONTAL COLLISION DETECTION

< COMPONENT DIAGNOSIS >

B1209 FRONTAL COLLISION DETECTION

Description

INFOID:000000001309160

DTC B1209 FRONTAL COLLISION DETECTION

If the components that are not activated in frontal collision are reused, they should be checked for damage by CONSULT-III or air bag warning lamp. Repair or replace malfunctioning components.

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 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 drivers and front passenger.

INSTALLATION

Refer to [SR-15, "Removal and Installation"](#), [SR-19, "Removal and Installation"](#), [SR-5, "Removal and Installation"](#), [SR-9, "Removal and Installation"](#), [SB-5, "SEAT BELT RETRACTOR : Removal and Installation"](#).

DTC Logic

INFOID:000000001309161

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	Seat belt pretensioner, front air bag is deployed.	–

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1. IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2. CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "SEAT BELT PRE-TENSIONER" and "FRONT AIR BAG" displayed on CONSULT-III?

- YES >> Refer to [SRC-130, "Diagnosis Procedure \(Component diagnosis\)"](#).
NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309162

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

B1209 FRONTAL COLLISION DETECTION

< COMPONENT DIAGNOSIS >

Check for front air bag.

Is the "DRIVER AIR BAG" module and/or "PASSENGER AIR BAG" module deployed?

- YES >> Replace front air bag module and/or Instrument panel.
- NO >> GO TO 2.

2.CHECK SEAT BELT PRE-TENSIONER

Check for seat belt pre-tensioner.

Is the "SEAT BELT PRE-TENSIONER" activated?

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

3.CHECK DIAGNOSIS SENSOR UNIT

Check for diagnosis sensor unit.

Is the "FRONT AIR BAG" module and/or "SEAT BELT PRE-TENSIONER" activated?

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

4.CHECK STEERING WHEEL

Check for steering wheel.

Is the "STEERING WHEEL" normal, without any damage?

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

5.CHECK SPIRAL CABLE

Check for spiral cable.

Is the "SPIRAL CABLE" normal, without excessive heavy operation force, abnormal noise or damage?

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

6.CHECK WIRING HARNESS

Check for wiring harness.

Is the "WIRING HARNESS" normal, without any damage?

- YES >> GO TO 7.
- NO >> Replace wiring harness or harness connector.

7.FINAL CHECK

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

Are the malfunctions corrected?

- YES >> **INSPECTION END.**
- NO >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

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B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

B1210 SIDE COLLISION DETECTION

Description

INFOID:000000001309163

DTC B1210 SIDE COLLISION DETECTION

If the components that are not activated in side collision are reused, they should be checked for damage by CONSULT-III or air bag warning lamp. Repair or replace the malfunctioning parts.

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), side air bag and curtain air bag.

INSTALLATION

Refer to [SR-17, "Removal and Installation"](#), [SR-19, "Removal and Installation"](#), [SR-13, "Removal and Installation"](#). [SR-11, "Removal and Installation"](#).

DTC Logic

INFOID:000000001309164

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	Side, curtain air bag is deployed.	-

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check the screen of CONSULT-III.

Is "SIDE AIR BAG" and/or "CURTAIN AIR BAG" displayed on CONSULT-III?

YES >> Refer to [SRC-132, "Diagnosis Procedure \(Component diagnosis\)"](#).

NO >> **INSPECTION END.**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001309165

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 SIDE AIR BAG

Check for side air bag.

Is the "SIDE AIR BAG" module deployed?

B1210 SIDE COLLISION DETECTION

< COMPONENT DIAGNOSIS >

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

A

2.CHECK CURTAIN AIR BAG

Check for curtain air bag.

B

Is the "CURTAIN AIR BAG" module activated?

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

C

3.CHECK SATELLITE SENSOR

Check for satellite sensor.

D

Is the "SIDE AIR BAG" module and/or "CURTAIN AIR BAG" module activated?

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

E

4.CHECK DIAGNOSIS SENSOR UNIT

Check for diagnosis sensor unit.

F

Is the "SIDE AIR BAG" module and/or "CURTAIN AIR BAG" module activated?

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

5.FINAL CHECK

G

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

Are the malfunctions corrected?

YES >> **INSPECTION END.**
NO >> Check the intermittent incident. Refer to [GI-39. "Intermittent Incident"](#).

SRC

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

ECU DIAGNOSIS

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:000000001309166

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-10, "Diagnosis Description".
	<ul style="list-style-type: none"> • No malfunction is detected. 	—
DIAGNOSIS SENSOR UNIT (CONTROL UNIT) [B1001-B1015] [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).
CRASH ZONE SEN [UNIT FAIL] [B1033] [B1034] CRASH ZONE SEN [COMM FAIL] [B1035]	<ul style="list-style-type: none"> • Crash zone sensor is out of order. 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace crash zone sensor. 4. Replace diagnosis sensor unit (ACU).
DIAGNOSIS SENSOR UNIT (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 MODULE [OPEN] [B1049]	<ul style="list-style-type: none"> • Driver air bag module circuit is open. (including the spiral cable.) 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace driver air bag module. 4. Replace spiral cable. 5. Replace diagnosis sensor unit (ACU).
DRIVER AIRBAG MODULE [VB-SHORT] [B1050]	<ul style="list-style-type: none"> • Driver air bag module circuit is shorted to some power supply circuit. (including the spiral cable.) 	
DRIVER AIRBAG MODULE [GND-SHORT] [B1051]	<ul style="list-style-type: none"> • Driver air bag module circuit is shorted to ground. (including the spiral cable.) 	
DRIVER AIRBAG MODULE [SHORT] [B1052]	<ul style="list-style-type: none"> • Driver air bag module circuit is shorted to each other. (including spiral cable.) 	
DIAGNOSIS SENSOR UNIT (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).

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	A
ASSIST A/B MODULE [OPEN] [B1065]	<ul style="list-style-type: none"> Front passenger air bag module circuit is open. 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front passenger air bag module. 4. Replace diagnosis sensor unit (ACU). 	B
ASSIST A/B MODULE [VB-SHORT] [B1066]	<ul style="list-style-type: none"> Front passenger air bag module circuit is shorted to some power supply circuit. 		C
ASSIST A/B MODULE [GND-SHORT] [B1067]	<ul style="list-style-type: none"> Front passenger air bag module circuit is shorted to ground. 		D
ASSIST A/B MODULE [SHORT] [B1068]	<ul style="list-style-type: none"> Front passenger air bag module circuit is shorted to each other. 		E
DIAGNOSIS SENSOR UNIT (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). 	F
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"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace front RH seat belt pre-tensioner. 4. Replace diagnosis sensor unit (ACU). 	G
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. 		H
PRE-TEN FRONT RH [GND-SHORT] [B1083]	<ul style="list-style-type: none"> Front RH seat belt pre-tensioner circuit is shorted to ground. 		I
PRE-TEN FRONT RH [SHORT] [B1084]	<ul style="list-style-type: none"> Front RH seat belt pre-tensioner circuit is shorted to each other. 		J
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"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace front LH seat belt pre-tensioner. 4. Replace diagnosis sensor unit (ACU). 	K
PRE-TEN FRONT LH [VB-SHORT] [B1087]	<ul style="list-style-type: none"> Front LH seat belt pre-tensioner circuit is shorted to some power supply circuit. 		L
PRE-TEN FRONT LH [GND-SHORT] [B1088]	<ul style="list-style-type: none"> Front LH seat belt pre-tensioner circuit is shorted to ground. 		M
PRE-TEN FRONT LH [SHORT] [B1089]	<ul style="list-style-type: none"> Front LH seat belt pre-tensioner circuit is shorted to each other. 		N
DIAGNOSIS SENSOR UNIT (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). 	O
SATELLITE SENS RH [UNIT FAIL] [B1113] [B1114]	<ul style="list-style-type: none"> RH satellite sensor is out of order. 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace RH satellite sensor. 4. Replace diagnosis sensor unit (ACU). 	P
SATELLITE SENS RH [COMM FAIL] [B1115]			Q
SATELLITE SENS LH [UNIT FAIL] [B1118] [B1119]	<ul style="list-style-type: none"> LH satellite sensor is out of order. 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace LH satellite sensor. 4. Replace diagnosis sensor unit (ACU). 	R
SATELLITE SENS LH [COMM FAIL] [B1120]			S

SRC

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
DIAGNOSIS SENSOR UNIT (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).
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"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front RH side air bag module. 4. 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 RH side air bag module circuit is shorted to each other. 	
SIDE MODULE LH [OPEN] [B1134]	<ul style="list-style-type: none"> • Front LH side air bag module circuit is open. 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front LH side air bag module. 4. Replace diagnosis sensor unit (ACU).
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 circuit is shorted to each other. 	
DIAGNOSIS SENSOR UNIT (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 curtain air bag module circuit is open. 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace RH curtain air bag module. 4. Replace diagnosis sensor unit (ACU).
CURTAIN MODULE RH [VB-SHORT] [B1146]	<ul style="list-style-type: none"> • RH 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 curtain air bag module circuit is shorted to ground. 	
CURTAIN MODULE RH [SHORT] [B1148]	<ul style="list-style-type: none"> • RH curtain air bag module circuit is shorted to each other. 	
CURTAIN MODULE LH [OPEN] [B1150]	<ul style="list-style-type: none"> • LH curtain air bag module circuit is open. 	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace LH curtain air bag module. 4. Replace diagnosis sensor unit (ACU).
CURTAIN MODULE LH [VB-SHORT] [B1151]	<ul style="list-style-type: none"> • LH 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 curtain air bag module circuit is shorted to ground. 	
CURTAIN MODULE LH [SHORT] [B1153]	<ul style="list-style-type: none"> • LH curtain air bag module circuit is shorted to each other. 	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	
DIAGNOSIS SENSOR UNIT (CONTROL UNIT) [B1170-B1175]	• Diagnosis sensor is out of order.	• Replace diagnosis sensor unit (ACU).	A
PRE-TEN2 FRONT RH* [OPEN] [B1177]	• Front RH seat belt pre-tensioner 2 circuit is open.	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace front RH seat belt pre-tensioner 2. 4. Replace diagnosis sensor unit (ACU). 	B
PRE-TEN2 FRONT RH* [VB-SHORT] [B1178]	• Front RH seat belt pre-tensioner 2 circuit is shorted to some power supply circuit.		C
PRE-TEN2 FRONT RH* [GND-SHORT] [B1179]	• Front RH seat belt pre-tensioner 2 circuit is shorted to ground.		D
PRE-TEN2 FRONT RH* [SHORT] [B1180]	• Front RH seat belt pre-tensioner 2 circuit is shorted to each other.		E
PRE-TEN2 FRONT LH [OPEN] [B1182]	• Front LH seat belt pre-tensioner 2 circuit is open.	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace front LH seat belt pre-tensioner 2. 4. Replace diagnosis sensor unit (ACU). 	F
PRE-TEN2 FRONT LH [VB-SHORT] [B1183]	• Front LH seat belt pre-tensioner 2 circuit is shorted to some power supply circuit.		G
PRE-TEN2 FRONT LH [GND-SHORT] [B1184]	• Front LH seat belt pre-tensioner 2 circuit is shorted to ground.		SRC
PRE-TEN2 FRONT LH [SHORT] [B1185]	• Front LH seat belt pre-tensioner 2 circuit is shorted to each other.		I
DIAGNOSIS SENSOR UNIT (CONTROL UNIT) [B1202-B1207]	• Diagnosis sensor is out of order.	• Replace diagnosis sensor unit (ACU).	J
FRONTAL COLLISION DETECTION [B1209]	• Seat belt pre-tensioner and front air bag is deployed.	• Go to SRC-130 . " Diagnosis Procedure (Component diagnosis) ".	K
SIDE COLLISION DETECTION [B1210]	• Side and curtain air bag is deployed.	• Go to SRC-132 . " Diagnosis Procedure (Component diagnosis) ".	L

*: with RHD models.

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

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

<Diagnosis sensor unit>	
Flash pattern	Repair order
<p>a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.</p>	<ol style="list-style-type: none"> 1. Replace the diagnosis sensor unit (ACU).

JMHIA0034GB

<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

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

<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

<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

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

<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> <p>5 flashes</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side curtain air bag module. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0043GB

<LH side curtain air bag module>	
Flash pattern	Repair order
<p>a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.</p> <p>6 flashes</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side curtain air bag module. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0044GB

<Front RH seat belt pre-tensioner 2>	
Flash pattern	Repair order
<p>a through d are repeated. d: Twelve flashes indicates malfunctioning front RH seat belt pre-tensioner 2 circuit.</p> <p>12 flashes</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front RH seat belt pre-tensioner 2. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0223GB

<Front LH seat belt pre-tensioner 2>	
Flash pattern	Repair order
<p>a through d are repeated. d: Thirteen flashes indicate malfunctioning front LH seat belt pre-tensioner 2 circuit.</p> <p>13 flashes</p>	<ol style="list-style-type: none"> 1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the front LH seat belt pre-tensioner 2. 4. Replace the diagnosis sensor unit (ACU).

JMHIA0222GB

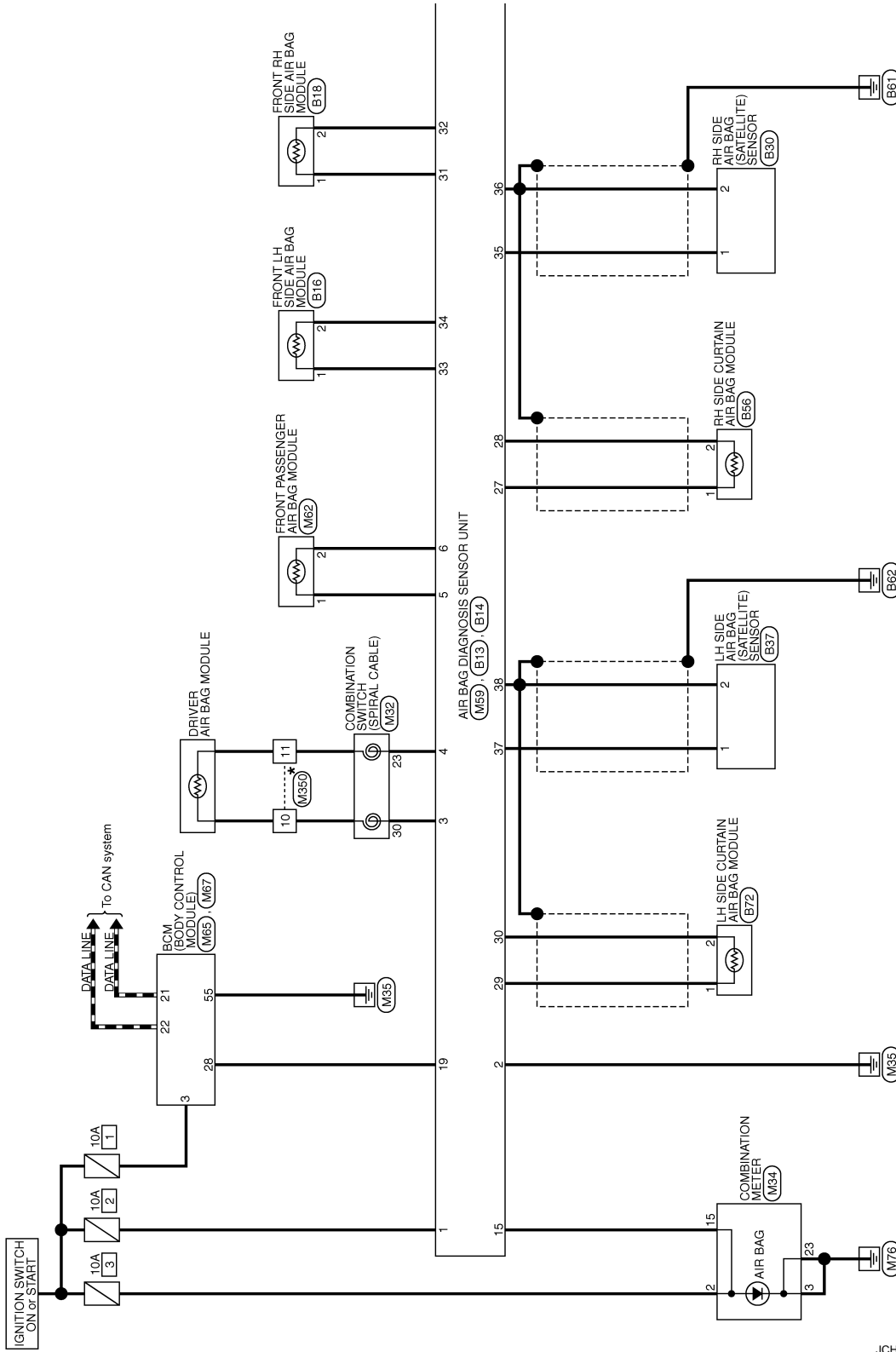
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -

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SRS AIR BAG CONTROL SYSTEM (LHD MODELS)



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

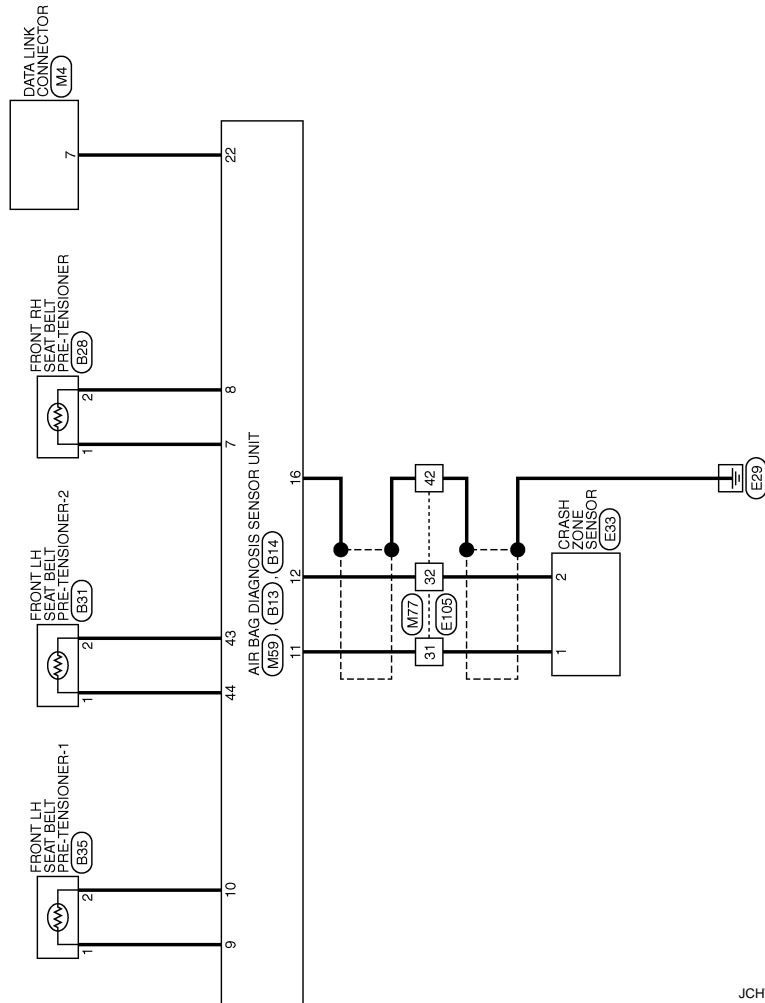
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DIAGNOSIS SENSOR UNIT

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JCHWA0062GE

DIAGNOSIS SENSOR UNIT

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SRS AIR BAG CONTROL SYSTEM (LHD MODELS)

Connector No.	B13
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK2FY-1V-EX



32	28	26	27	25	31
8	39	7	36	35	40

Terminal No.	Color of Wire	Signal Name [Specification]
7	O	ELR RH+
8	BR	ELR RH-
27	BR	INF CURTAIN RR RH+
28	Y	INF CURTAIN RR RH-
31	GR	SIDE INF RH+
32	LG	SIDE INF RH-
35	B	SIDE SENS RH+
36	W	SIDE SENS RH-

Connector No.	B14
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-2V-EX



33	41	29	42	30	34
44	37	38	9	43	10

Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	ELR LH+
10	SB	ELR LH-
29	P	INF CURTAIN RR LH+
30	L	INF CURTAIN RR LH-
33	LG	SIDE INF LH+
34	GR	SIDE INF LH-
37	R	SIDE SENS LH+
38	G	SIDE SENS LH-
43	O	ELR2 LH+
44	P	ELR2 LH-

Connector No.	B16
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V



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

Connector No.	B18
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V



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

Connector No.	B28
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



1	2
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Connector No.	B30
Connector Name	RH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HK02FY-1V-EX



1	2
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Connector No.	B31
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER-2
Connector Type	ACA02FOR



1	2
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Connector No.	B35
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER-1
Connector Type	ACA02FY-2V



1	2
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Terminal No.	Color of Wire	Signal Name [Specification]
1	O	
2	V	

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

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

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

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

SRS AIR BAG CONTROL SYSTEM (LHD MODELS)

Connector No.	B37
Connector Name	LH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HK02FY-1V-EX



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

Connector No.	B56
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



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

Connector No.	B7Z
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



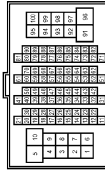
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	L	-

Connector No.	E33
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02FY-1V-EX



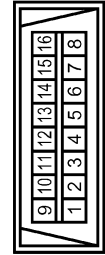
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	Y	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	THB0FW-CS16-TM4



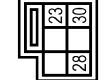
Terminal No.	Color of Wire	Signal Name [Specification]
31	BR	-
32	Y	-
42	SHIELD	-

Connector No.	IM4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



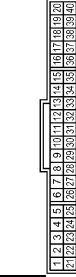
Terminal No.	Color of Wire	Signal Name [Specification]
7	O	-

Connector No.	M3Z
Connector Name	COMBINATION SWITCH (SPRAL CABLE)
Connector Type	TK08FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
23	Y/R	-
30	Y	-

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	SAB40FW



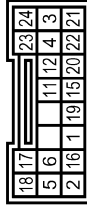
Terminal No.	Color of Wire	Signal Name [Specification]
2	P	IGN
3	B	GND
15	GR	AIR BAG
23	B	GND

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

SRS AIR BAG CONTROL SYSTEM (LHD MODELS)

Connector No.	M59
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK02FY-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	IGN
2	B	GND
3	Y	INFLATOR DR+
4	Y/R	INFLATOR DR-
5	Y/G	INFLATOR AS+
6	Y/B	INFLATOR AS-
11	W	ECZS+
12	O	ECZS-
15	GR	A/B W/L[LHD models]
16	SHIELD	GND

Connector No.	M67
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FHA0FB



Terminal No.	Color of Wire	Signal Name [Specification]
55	B	GND

19	R	DEPLOYMENT INFORMATION[LHD models with side air bag]
22	L	K-LINE



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

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CS1B-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
31	W	-
32	O	-
42	SHIELD	-

Connector No.	M62
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	TK02FY-EX-1V



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

Connector No.	M650
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA02FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
10	-	-
11	-	-

Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	AAB40FB



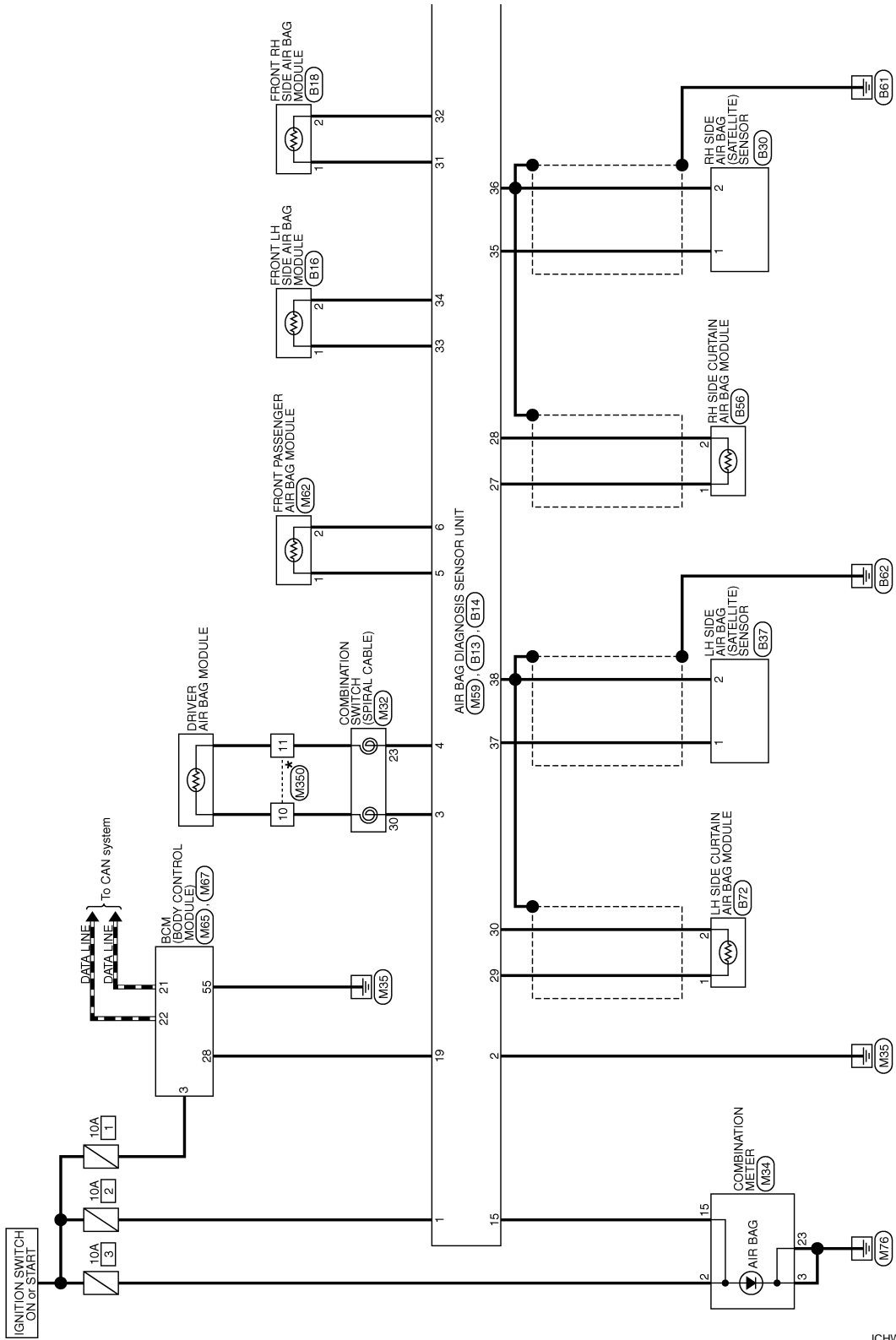
Terminal No.	Color of Wire	Signal Name [Specification]
3	W	IGN SW
21	P	CAN-L
22	L	CAN-H
28	R	SHOCK DETECT [SHIELD models with side air bag]

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

SRS AIR BAG CONTROL SYSTEM (RHD MODELS)



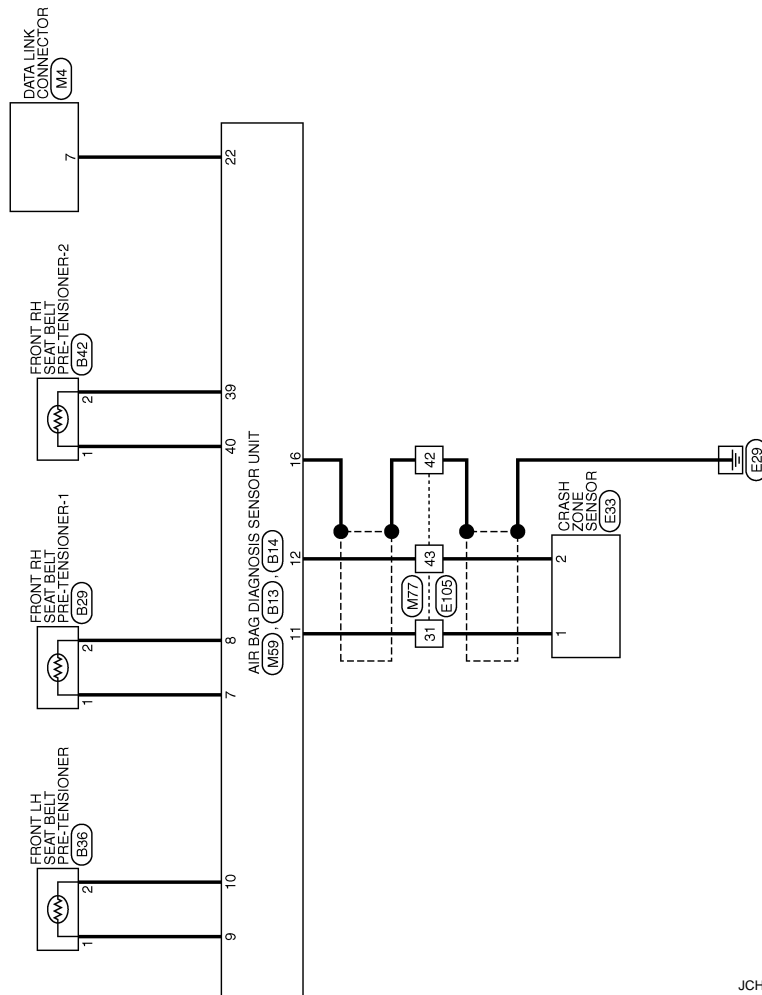
*: This connector is not shown in "Harness Layout".

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DIAGNOSIS SENSOR UNIT

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

SRS AIR BAG CONTROL SYSTEM (RHD MODELS)

Connector No.	B13
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-1V-EX



32	28	26	27	25	31
8	39	7	36	35	40

Terminal No.	Color of Wire	Signal Name [Specification]
7	O	ELR RH+
8	V	ELR RH-
27	BR	INF CURTAIN RR RH+
28	Y	INF CURTAIN RR RH-
31	GR	SIDE INF RH+
32	LG	SIDE INF RH-
35	B	SIDE SENS RH+
36	W	SIDE SENS RH-
38	L	ELR2 RH-
40	P	ELR2 RH+

Connector No.	B14
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK12FY-2V-EX



33	41	29	42	30	34
44	37	38	9	43	10

Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	ELR LH+
10	SB	ELR LH-
29	P	INF CURTAIN RR LH+
30	L	INF CURTAIN RR LH-
33	LG	SIDE INF LH+
34	GR	SIDE INF LH-
37	R	SIDE SENS LH+
38	G	SIDE SENS LH-

Connector No.	B16
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V



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

Connector No.	B18
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TK02FY-EX-1V



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

Connector No.	B29
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER-1
Connector Type	ACA02FY-2V



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

Connector No.	B30
Connector Name	RH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HK02FY-1V-EX



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

Connector No.	B36
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	ACA02FY-2V



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

Connector No.	B37
Connector Name	LH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HK02FY-1V-EX



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

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

SRS AIR BAG CONTROL SYSTEM (RHD MODELS)

Connector No.	B42
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER-2
Connector Type	ACA02FOR



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

Connector No.	B36
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



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

Connector No.	B72
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACA02FY-2V



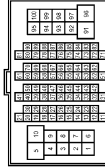
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	L	-

Connector No.	E33
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02FY-1V-EX



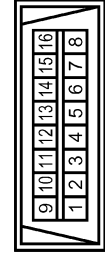
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	Y	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	THB0FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
31	BR	-
42	SHIELD	-
43	Y	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
7	O	-

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPRAL CABLE)
Connector Type	TK08FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
23	Y/R	-
30	Y	-

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	SAB40FW



Terminal No.	Color of Wire	Signal Name [Specification]
2	P	IGN
3	B	GND
15	GR	AIR BAG
23	B	GND

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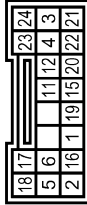
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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

SRS AIR BAG CONTROL SYSTEM (RHD MODELS)

Connector No.	M59
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK02FY-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	IGN
2	B	GND
3	Y	INFLATOR DR+
4	Y/G	INFLATOR DR-
5	Y/G	INFLATOR AS+
6	Y/B	INFLATOR AS-
11	W	EC2S+
12	O	EC2S-
15	SB	A/B W/LRHD models
16	SHIELD	GND

19	LG	DEPLOYMENT INFORMATION(RHD models with side air bag) K-LINE
22	L	



Connector No.	M62
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	TK02FY-EX-TV



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

Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	AA84DFB



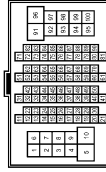
Terminal No.	Color of Wire	Signal Name [Specification]
3	W	IGN SW
21	P	CAN-L
22	L	CAN-H
28	LG	SHOCK DETECT SIG(RHD models with side air bag)

Connector No.	M67
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FHA8DFB



Terminal No.	Color of Wire	Signal Name [Specification]
55	B	GND

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS/B-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
31	W	-
42	SHIELD	-
43	O	-

Connector No.	M350
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA2FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
10	-	-
11	-	-

SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

SRS AIR BAG SYSTEM

Symptom Table

INFOID:000000001309168

“SRS AIR BAG” Warning Lamp Does Not Turn OFF

1.CHECK AIR BAG MODULE

Check the deployment of air bag nodule.

Is “AIR BAG” module deployed?

- YES >> Refer to [SRC-130, "Diagnosis Procedure \(Component diagnosis\)"](#).
- NO >> GO TO 2.

2.CHECK AIR BAG FUSE

Check the air bag fuse. Refer to [PG-87, "Fuse"](#).

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.

Does 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 “DIAGNOSIS SENSOR UNIT” displayed on CONSULT-III?

- YES >> Replace diagnosis sensor unit (ACU). Refer to [SR-19, "Exploded View"](#).
- NO >> GO TO 5.

5.CHECK HARNESS CONNECTION

Check the connection of harness connector.

Is harness connections between warning lamp and diagnosis sensor unit normal?

- YES >> Check the intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).
- NO >> Replace wiring harness connector.

“SRS AIR BAG” Warning Lamp Does Not Turn ON

1.CHECK METER FUSE

Check the meter fuse. Refer to [PG-87, "Fuse"](#).

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 meter fuse and turn ignition switch ON.

Does the meter fuse blow again?

- YES >> Repair or replace the related harness.
- NO >> **INSPECTION END.**

3.CHECK HARNESS CONNECTION BETWEEN DIAGNOSIS SENSOR UNIT AND COMBINATION METER

Disconnect diagnosis sensor unit connector and turn ignition switch ON.

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SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

Does AIR BAG warning lamp turn ON?

- YES >> Replace diagnosis sensor unit (ACU). Refer to [SR-19, "Exploded View"](#).
- NO >> Replace combination meter assembly.

PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000001583155

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the "SRS 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:000000001309170

- 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.

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