

SECTION **SRC**

SRS AIRBAG CONTROL SYSTEM

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

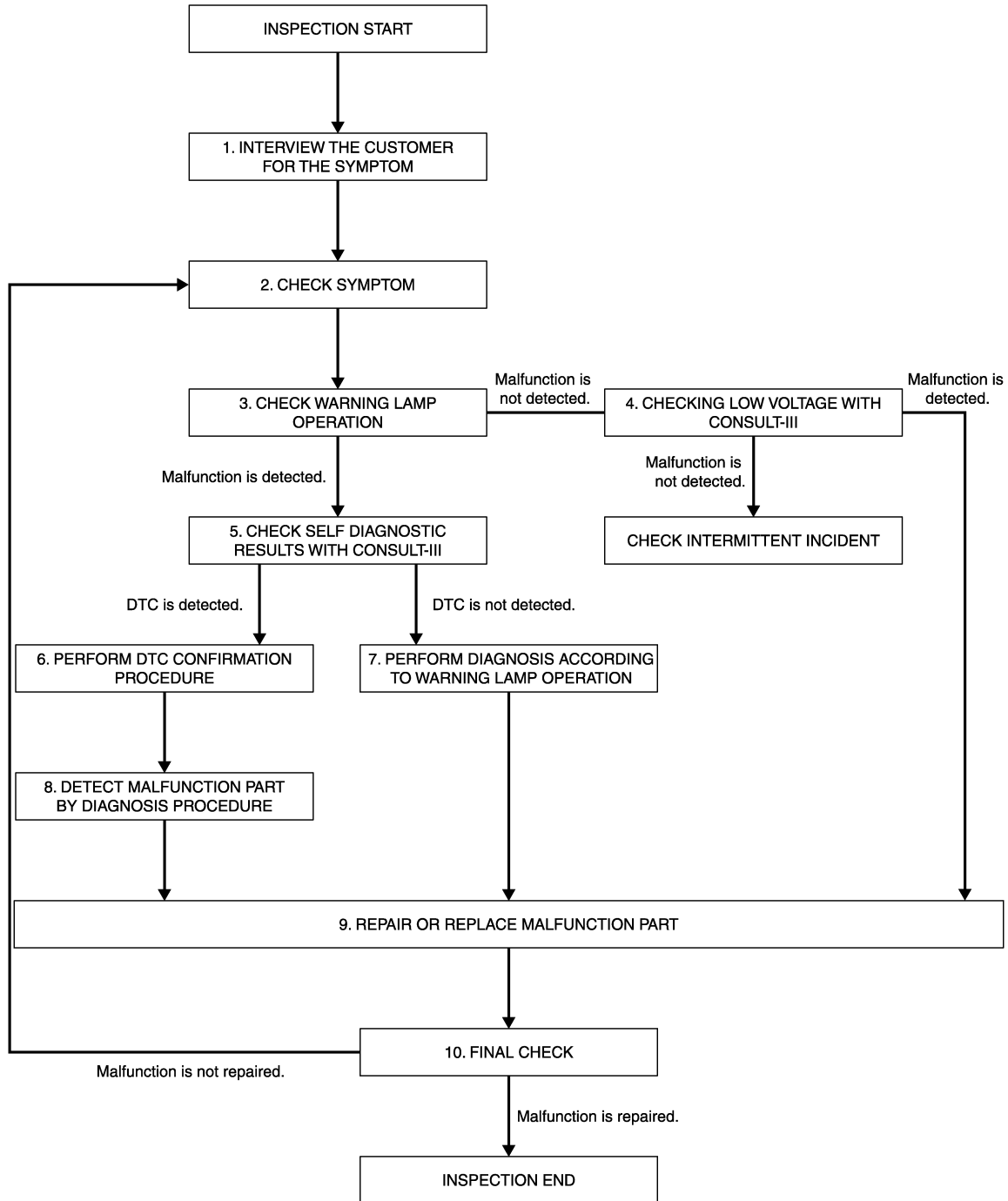
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

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DETAILED FLOW

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

1. INTERVIEW THE CUSTOMER FOR THE SYMPTOM

Interview the customer for the symptom (the condition and the environment when the incident/malfunction occurs).

>> GO TO 2.

2. CHECK SYMPTOM

Check the symptom from the customer information.

>> GO TO 3.

3. CHECK WARNING LAMP OPERATION

Check air bag warning lamp operation in the user mode. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

Are any malfunction detected?

YES >> GO TO 5.

NO >> GO TO 4.

4. CHECK LOW VOLTAGE WITH CONSULT-III

Check low voltage with CONSULT-III (Special function). Refer to [SRC-19, "CONSULT-III Function"](#).

Are any malfunction detected?

YES >> GO TO 9.

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

5. CHECK SELF DIAGNOSTIC RESULTS WITH CONSULT-III

Check self diagnostic result with CONSULT-III.

NOTE:

Perform the following procedure if DTC is detected.

- Record DTC (Print them out with CONSULT-III.)
- Erase self diagnostic result.
- Study the relationship between the malfunction that DTC or air bag warning lamp indicates and the symptom that the customer describes.
- Check related service bulletins for information.

Is DTC detected?

YES >> GO TO 6.

NO >> GO TO 7.

6. PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the DTC.

>> GO TO 8.

7. PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION

1. Check air bag warning lamp operation in the user mode. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).
2. Perform Diagnosis Procedure for the air bag warning lamp operation. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#) (USER MODE).

>> GO TO 9.

8. DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the DTC.

>> GO TO 9.

9. REPAIR OR REPLACE THE MALFUNCTION PART

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

Repair or replace the malfunctioning part.

>> GO TO 10.

10.FINAL CHECK

Check self diagnostic result and air bag warning lamp operation in the user mode.

Is the malfunction repaired?

YES >> INSPECTION END

NO >> GO TO 2.

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SRS AIR BAG SYSTEM

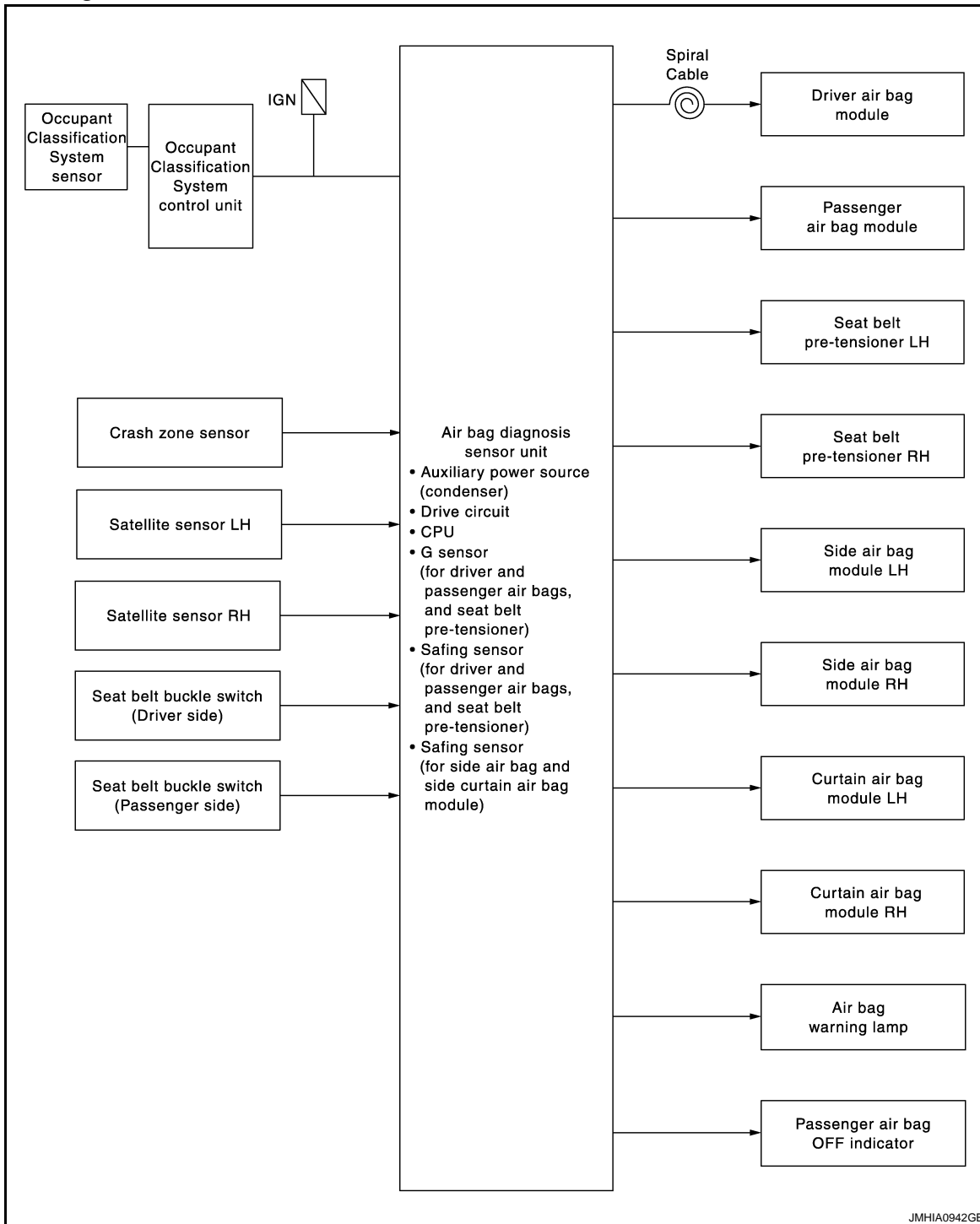
< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

System Diagram

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System Description

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

Air bag sensor unit supplies power supply to air bag module and pre-tensioner seat belt when deceleration that is more than the specified limit is detected by G sensor in air bag diagnosis sensor unit, crash zone sen-

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

sensor, or satellite sensor. Air bag module is composed of electric igniter (squib), filter, pyrotechnic material, and gas generating material. When air bag module receives a signal from air bag sensor unit, air bag module ignites pyrotechnic material using electric igniter (squib) so that gas generating material generates high temperature nitrogen gas. The gas through filter activates air bag and seat belt pre-tensioner.

AIR BAG DIAGNOSIS SENSOR UNIT FUNCTIONS

Air bag diagnosis sensor unit has the following functions.

- Detects a collision and supplies the energy for deploying air bag and seat belt pre-tensioner.
- Detects and records electrical malfunction in air bag system and seat belt pre-tensioner system, and blinking air bag warning lamp.
- Detects and records the deployment of air bag and seat belt pre-tensioner, and turns ON air bag warning lamp.
- Indicates malfunctioning portion via the number of blinks from the air bag warning lamp in the diagnosis mode.
- Indicates the malfunction record via CONSULT-III.
- Suppresses the deployment of passenger air bag when passenger seat is empty or occupied by child or child-seat.
- When passenger seat is occupied by child or child seat, turns ON passenger air bag OFF indicator.
- When judges that passenger seat is occupied by a adult or a child and passenger seat belt is not fasten, turns ON seat belt warning lamp. Further information for the seat belt warning system, refer to [SBC-3, "System Description"](#).

COLLISION MODES

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

SRS configurations that are activated for the following collision modes.

×: Apply —: Not apply

Collision Mode	Driver air bag module	Passenger air bag module	Seat belt pre-tensioner LH	Seat belt pre-tensioner RH	Side air bag module LH	Side air bag module RH	Curtain air bag module LH	Side curtain air bag module RH
Frontal collision	×	×	×	×	—	—	—	—
Left side collision	—	—	—	—	×	—	×	—
Right side collision	—	—	—	—	—	×	—	×

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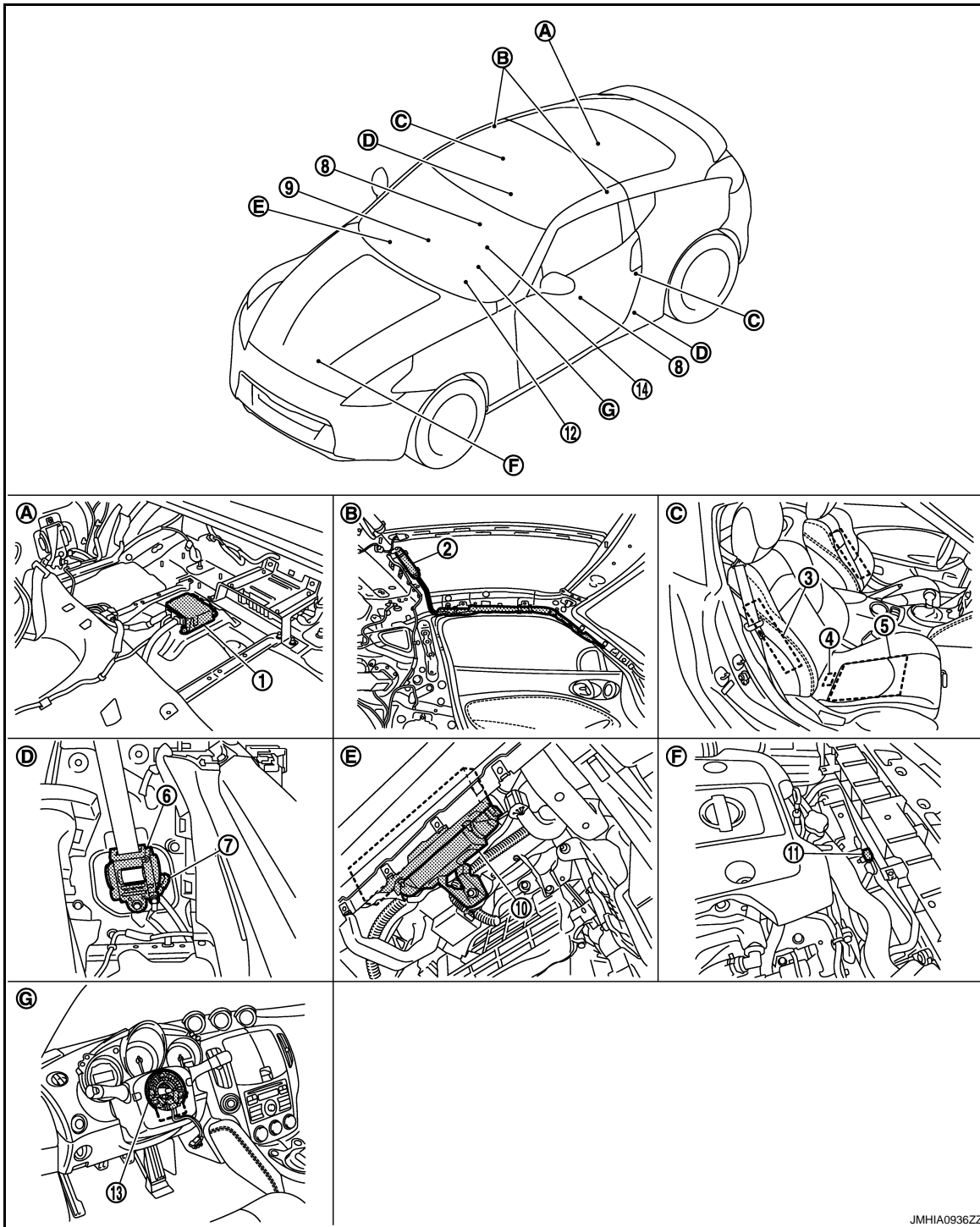
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SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

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- | | | |
|---|---|---|
| 1. Air bag diagnosis sensor unit B15,
B215, M147 | 2. Curtain air bag module LH/RH
• LH B25
• RH B225 | 3. Side air bag module LH/RH
• LH B12
• RH B212 |
| 4. Occupant Classification System control unit B214 | 5. Occupant Classification System seat sensor mat | 6. Seat belt pre-tensioner LH/RH
• LH B19
• RH B219 |
| 7. Satellite sensor LH/RH
• LH B20
• RH B220 | 8. Seat belt buckle switch (Driver side/
Passenger side)
• Driver side B13
• Passenger side B213 | 9. Passenger air bag OFF indicator M73 |

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

- | | | |
|---|------------------------------|-----------------------------------|
| 10. Passenger air bag module M103 | 11. Crash zone sensor E36 | 12. Combination meter M53, M54 |
| 13. Combination switch (spiral cable) M35 | | |
| A. Behind seatback center finisher | B. Behind headlining | C. Passenger seat |
| D. Behind rear side finisher | E. Behind glove box assembly | F. Radiator core support assembly |
| G. View with steering wheel removed | | |

Component Description

INFOID:000000004496416

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

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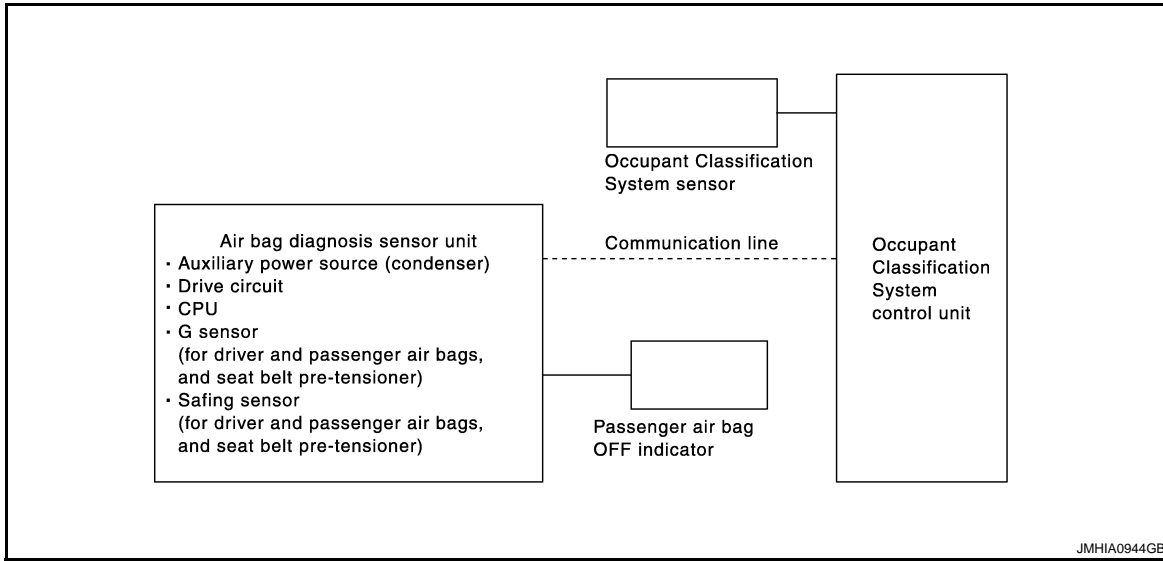
OCCUPANT CLASSIFICATION SYSTEM

< SYSTEM DESCRIPTION >

OCCUPANT CLASSIFICATION SYSTEM

System Diagram

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System Description

INFOID:000000004511919

Occupant Classification System has the following functions.

- Suppresses the deployment of front passenger air bag when front passenger seat is empty, or when occupied by child and child-seat.
- Turns on front passenger air bag OFF indicator when front passenger seat is occupied by child-seat and child.
- Indicates malfunction portion via the number of blinks from the air bag warning lamp in the diagnosis mode.
- Indicates the malfunctioning record via CONSULT-III.

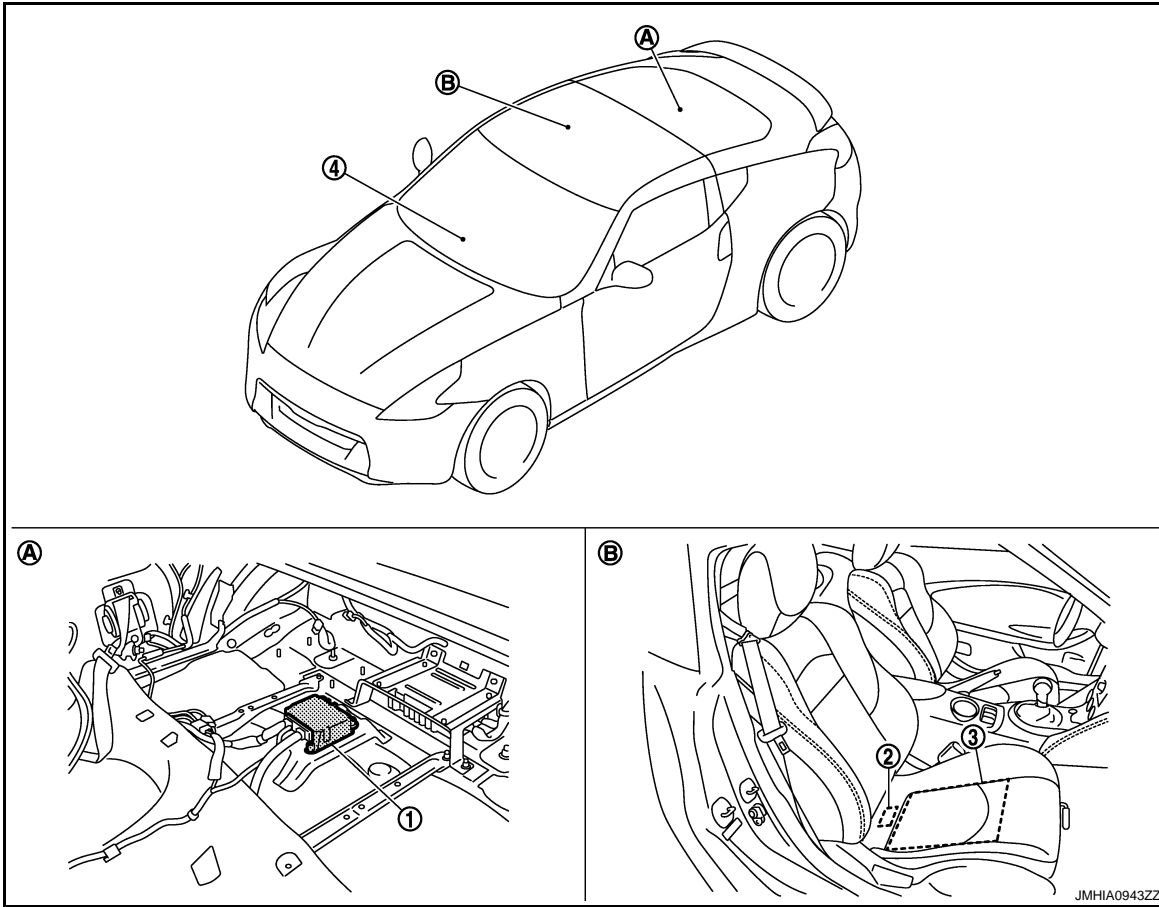
Status (passenger seat)	Passenger air bag	Passenger air bag OFF indicator	Air bag warning lamp
Empty	Suppress	OFF	OFF
Child/child-seat	Suppress	ON	OFF
Adult	Enable to deploy	OFF	OFF
Malfunction	Suppress	ON	Blinking

OCCUPANT CLASSIFICATION SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

INFOID:000000004511920



- 1. Air bag diagnosis sensor unit B15, B215, M147
- 2. Occupant Classification System control unit B214
- 3. Occupant Classification System seat sensor mat
- 4. Passenger air bag OFF indicator M73
- A. Behind seatback center finisher
- B. Passenger seat

Component Description

INFOID:000000004511921

Component parts	Outline of function
Occupant Classification System seat sensor mat	Detects if the passenger seat is empty or occupied. It is integrated into the seat cushion and detects the occupants with occupant classification system control unit that classifies the occupants.
Occupant Classification System control unit	Transmits the passenger seat status (occupied or empty) to air bag diagnosis sensor unit. It is installed in the passenger seat cushion.
Passenger air bag OFF indicator	Turns the passenger air bag OFF indicator lamp ON when the front passenger seat is occupied by a child or a child-seat

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DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (AIR BAG)

Diagnosis Description

INFOID:000000004496421

CAUTION:

- Never 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.
- Never 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 with 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 per the following items.

×: Application, —: Not application

Diagnosis tool	User mode	Diagnosis mode
Air bag warning lamp	×	×
CONSULT-III	—	×

Diagnosis with Air Bag Warning Lamp

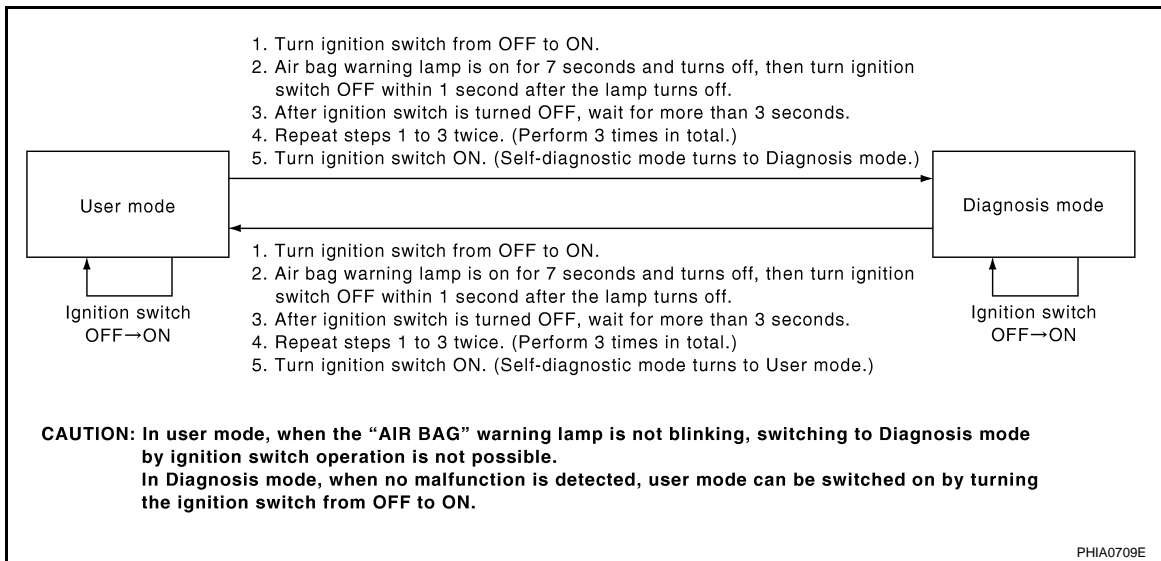
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SELF DIAGNOSIS FUNCTION

There are two self diagnosis functions with air bag warning lamp per the following items.

- USER MODE
- DIAGNOSIS MODE

HOW TO CHANGE SELF DIAGNOSIS MODE WITHOUT CONSULT-III



USER MODE

In USER MODE, air bag warning lamp on combination meter blinks when a malfunction is detected and warns the customer (driver).

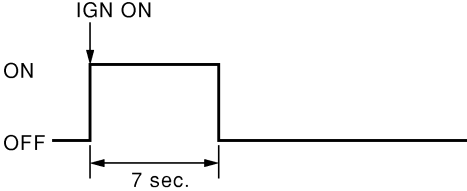
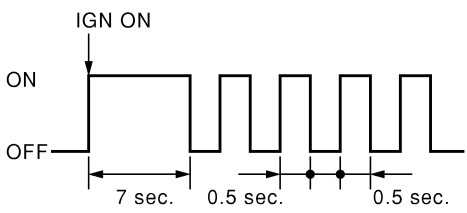
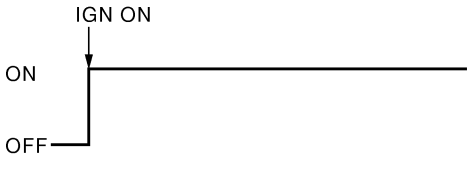

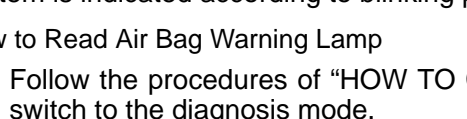
How to Read Air Bag Warning Lamp

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

Air Bag Warning Lamp Examples

DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

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: right;">SHIA0012E</p>	The system is malfunctioning	Check "Self Diagnostic Result" with CONSULT-III Refer to SRC-19, "CONSULT-III Function"
 <p style="text-align: right;">SHIA0013E</p>	<ul style="list-style-type: none"> Air bag is deployed Seat belt pre-tensioner is deployed 	Go to SRC-142, "Diagnosis Procedure" or SRC-143, "Diagnosis Procedure"
 <p style="text-align: right;">SHIA0014E</p>	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is malfunctioning Air bag power supply circuit is malfunctioning Air bag warning lamp circuit is malfunctioning 	Go to SRC-160, "Diagnosis Procedure"
 <p style="text-align: right;">SHIA0014E</p>	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is malfunctioning Air bag warning lamp circuit is malfunctioning 	Go to SRC-161, "Diagnosis Procedure"

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DIAGNOSIS MODE

The diagnosis mode can only be switched when a malfunction is detected in the user mode. Malfunctioning system is indicated according to blinking pattern of air bag warning lamp.

How to Read Air Bag Warning Lamp

- Follow the procedures of "HOW TO CHANGE SELF-DIAGNOSIS MODE WITHOUT CONSULT-III", and switch to the diagnosis mode.
- Turn ignition switch ON. Check the blinking pattern of air bag warning lamp.
There are 2 blinking patterns for the air bag warning lamp as per the following items.
 - Front air bag system: 3 second blink followed by a 0.5 second blink repeated.

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DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

- Side air bag system: Two 1.5 second blinks followed by a 0.5 second blink repeated.

Front air bag system

Number of 0.5 second blinks	Malfunctioning items	Blinking pattern
0	Self-diagnosis result is not deleted	—
1	Seat belt pre-tensioner LH	Refer to the following items <ul style="list-style-type: none"> • SRC-77, "DTC Logic" • SRC-79, "DTC Logic" • SRC-81, "DTC Logic" • SRC-83, "DTC Logic"
2	Driver air bag module	Refer to the following items <ul style="list-style-type: none"> • SRC-47, "DTC Logic" • SRC-49, "DTC Logic" • SRC-51, "DTC Logic" • SRC-53, "DTC Logic" • SRC-67, "DTC Logic"
3	Seat belt pre-tensioner RH	Refer to the following items <ul style="list-style-type: none"> • SRC-69, "DTC Logic" • SRC-71, "DTC Logic" • SRC-73, "DTC Logic" • SRC-75, "DTC Logic"
5	Occupant Classification System control unit	Refer to the following items <ul style="list-style-type: none"> • SRC-27, "DTC Logic" • SRC-29, "DTC Logic" • SRC-31, "DTC Logic" • SRC-35, "DTC Logic"
6	Crash zone sensor	Refer to the following items <ul style="list-style-type: none"> • SRC-39, "DTC Logic" • SRC-41, "DTC Logic" • SRC-43, "DTC Logic"
7	Air bag diagnosis sensor unit	Refer to the following items <ul style="list-style-type: none"> • SRC-21, "DTC Logic" • SRC-23, "DTC Logic" • SRC-25, "DTC Logic" • SRC-37, "DTC Logic" • SRC-45, "DTC Logic" • SRC-55, "DTC Logic" • SRC-65, "DTC Logic" • SRC-85, "DTC Logic" • SRC-87, "DTC Logic" • SRC-97, "DTC Logic" • SRC-115, "DTC Logic" • SRC-117, "DTC Logic" • SRC-134, "DTC Logic" • SRC-136, "DTC Logic" • SRC-138, "DTC Logic" • SRC-140, "DTC Logic" • SRC-149, "DTC Logic"
8	Passenger air bag module	Refer to the following items <ul style="list-style-type: none"> • SRC-57, "DTC Logic" • SRC-59, "DTC Logic" • SRC-61, "DTC Logic" • SRC-63, "DTC Logic"
11	Passenger air bag OFF indicator	Refer to SRC-33, "DTC Logic" .
17	Air bag diagnosis sensor unit	Refer to SRC-117, "DTC Logic"

DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

Side air bag system

Number of 0.5-second blinks	Malfunctioning items	Blinking pattern
1	Side air bag module RH	Refer to the following items <ul style="list-style-type: none"> • SRC-99, "DTC Logic" • SRC-101, "DTC Logic" • SRC-103, "DTC Logic" • SRC-105, "DTC Logic"
2	Side air bag module LH	Refer to the following items <ul style="list-style-type: none"> • SRC-107, "DTC Logic" • SRC-109, "DTC Logic" • SRC-111, "DTC Logic" • SRC-113, "DTC Logic"
3	Satellite sensor RH	Refer to the following items <ul style="list-style-type: none"> • SRC-89, "DTC Logic" • SRC-91, "DTC Logic" • SRC-145, "DTC Logic"
4	Satellite sensor LH	Refer to the following items <ul style="list-style-type: none"> • SRC-93, "DTC Logic" • SRC-95, "DTC Logic" • SRC-147, "DTC Logic"
5	Curtain air bag module RH	Refer to the following items <ul style="list-style-type: none"> • SRC-118, "DTC Logic" • SRC-120, "DTC Logic" • SRC-122, "DTC Logic" • SRC-124, "DTC Logic"
6	Curtain air bag module LH	Refer to the following items <ul style="list-style-type: none"> • SRC-126, "DTC Logic" • SRC-128, "DTC Logic" • SRC-130, "DTC Logic" • SRC-132, "DTC Logic"

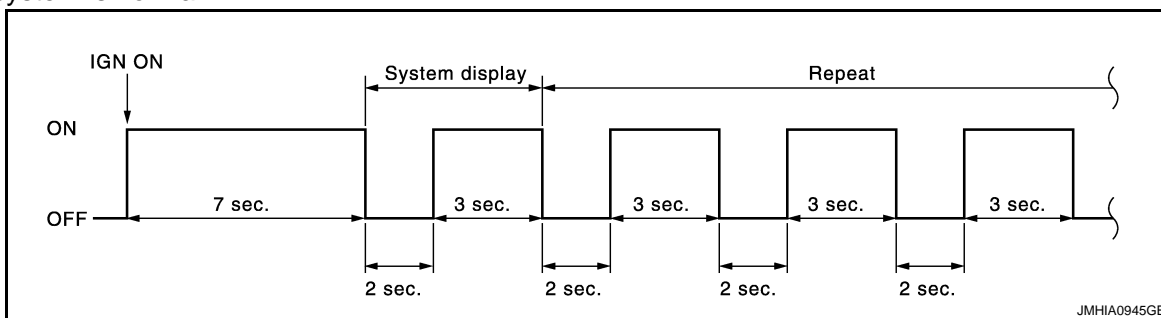
How to Erase Self Diagnosis Result

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

EXAMPLE OF AIR BAG WARNING LAMP OPERATION IN THE DIAGNOSIS MODE

System Normal

When system is normal.



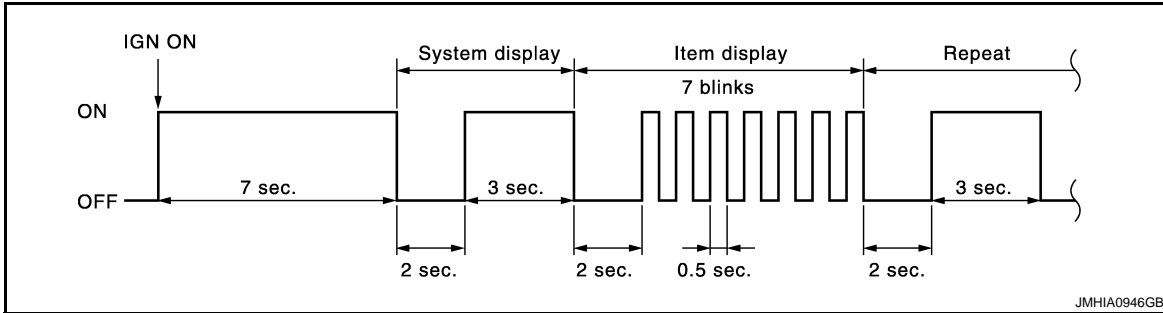
Single System Malfunction

- Front air bag system

DIAGNOSIS SYSTEM (AIR BAG)

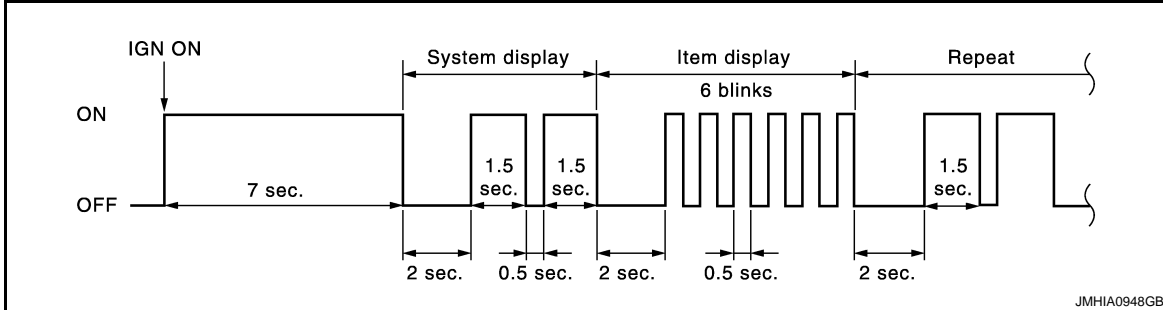
< SYSTEM DESCRIPTION >

When air bag diagnosis sensor unit system (Item display 1) is malfunctioning.



- Side air bag system

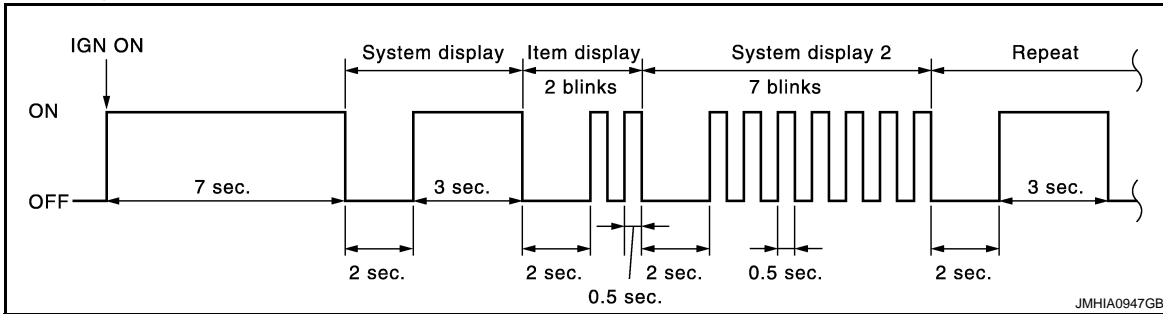
When curtain air bag module LH system (Item display 1) is malfunctioning.



Multiple Systems Malfunction

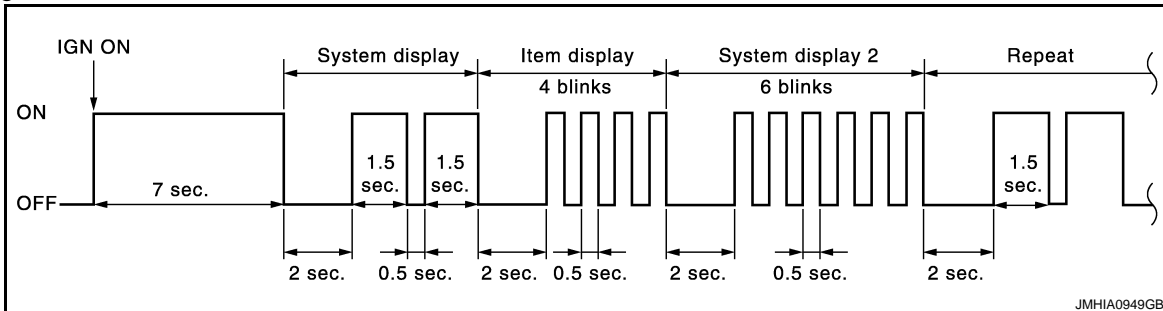
- Front air bag system

When driver air bag module (Item display 1) and air bag diagnosis sensor unit system (Item display 2) are malfunctioning.



- Side air bag system

When satellite sensor LH (Item display 1) and curtain air bag module LH system (Item display 2) are malfunctioning.

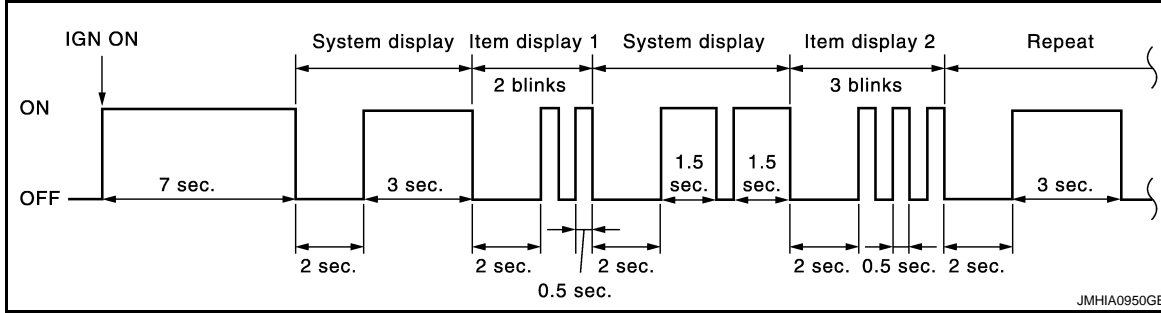


- Front air bag system and side air bag system

DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

When driver air bag module (Item display 1) and satellite sensor RH (Item display2) are malfunctioning.



CONSULT-III Function

INFOID:000000004496423

APPLICATION ITEM

CONSULT-III performs the following functions.

Diagnosis mode		Description
Ecu Identification		Air bag diagnosis sensor unit ECU discriminated number (identification number) is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) based on model and equipment.
Self Diagnostic Result		The current self diagnosis results (also indicated with the number of air bag warning lamp blinks in the diagnosis mode) are displayed on CONSULT-III screen in real time. This refers to a malfunctioning part requiring repairs. Refer to SRC-151, "DTC Index" .
Function Test	CAR COMPUTER DIAG.	Test result is indicated using "OK" or "NG" so that the customer recognizes easily.
Special function	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.
	CAUSE OF WARNING	It displays the cause of warning lamp illumination that is not recorded in memory.

HOW TO ERASE SELF DIAGNOSTIC RESULTS

- "Self Diagnostic Result"
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 Diagnostic Result".
- "SELF-DIAG [PAST]"
Return to "Self Diagnostic Result" CONSULT-III screen by touching the "BACK" key of CONSULT-III and select "Self Diagnostic Result" in SELECT DIAG MODE. Touch "ERASE" in "Self Diagnostic Result" mode.
NOTE:
If the memory of the malfunction in "SELF-DIAG [PAST]" is not erased, the user mode shows the system malfunction by the illumination of the warning lamp even if the malfunction is repaired completely.
- "TROUBLE DIAG RECORD"
The memory of "TROUBLE DIAG RECORD" cannot be erased.

SPECIAL FUNCTION

CAUSE OF WARNING

This item indicates IGN low voltage condition.

The air bag warning lamp blink in user mode when the battery voltage is lowered to the voltage value (less than 9 V) at which the SRS cannot be operated normally. The air bag warning lamp turns OFF after the battery voltage returns to normal status after blinking.

In such a case, the DTC memory is not performed and changing to the self-diagnostic mode by IGN operation cannot be performed while the air bag warning lamp illuminates. "NO DTC" is displayed even if the malfunctioning parts are checked by CONSULT-III.

This function records the following items.

DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

Display contents of CONSULT-III		Description
Air bag	IGN VOLT COND	"LOW" is displayed when IGN low voltage is detected. If not, "OK" is displayed.
	IGN VOLT TIME	Times of IGN low voltage is detected.
	LOW V RECORDED	Times of IGN ON after IGN low voltage is detected.

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

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

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

Description

INFOID:000000004496425

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496426

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1001 B1002 B1003 B1004 B1005	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-21, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496427

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

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

< DTC/CIRCUIT DIAGNOSIS >

2. Perform DTC confirmation procedure. Refer to [SRC-21, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description

INFOID:000000004533984

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496429

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1006 B1007 B1008 B1009 B1010	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496430

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-23, "DTC Logic"](#)

Is DTC detected?

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

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description

INFOID:000000004533985

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496432

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1011 B1012 B1013 B1014 B1015	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

YES >> Refer to [SRC-25, "Diagnosis Procedure"](#).

NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496433

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC detected?

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

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 1.

NO >> INSPECTION END

B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

Description

INFOID:000000004496434

This unit classifies occupant in passenger seat and detects electrical malfunctions in Occupant Classification System, and transmits malfunction information to air bag diagnosis sensor unit.

DTC Logic

INFOID:000000004496435

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1017 B1020 B1021	OCCUPANT SENS C/U [UNIT FAIL]	Occupant Classification System control unit is malfunctioning	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in Occupant Classification System control unit• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-27, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496436

WARNING:

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

DIAGNOSTIC PROCEDURE

1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-27, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.

B1017, B1020, B1021 OCCUPANT SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

NO >> INSPECTION END

4. REPLACE OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

1. Replace passenger seat cushion assembly. Refer to [SE-27, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-27, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1018 OCCUPANT SYSTEM SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B1018 OCCUPANT SYSTEM SENSOR

Description

INFOID:000000004496437

Occupant Classification System sensor detects occupant in passenger seat and transmits it to Occupant Classification System control unit.

DTC Logic

INFOID:000000004496438

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1018	OCCUPANT SENS [UNIT FAIL]	Occupant Classification System sensor is malfunctioning	<ul style="list-style-type: none"> • Disconnection of wiring harness • Malfunction in Occupant Classification System sensor • Malfunction in Occupant Classification System control unit • Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496439

WARNING:

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

DIAGNOSTIC PROCEDURE

1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-29, "DTC Logic"](#).

Is DTC detected?

- YES >> GO TO 4.

B1018 OCCUPANT SYSTEM SENSOR

< DTC/CIRCUIT DIAGNOSIS >

NO >> INSPECTION END

4. REPLACE OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT AND SENSOR

1. Replace passenger seat cushion assembly. Refer to [SE-27, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-29, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1022 OCCUPANT SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1022 OCCUPANT SYSTEM CONTROL UNIT

Description

INFOID:000000004533986

This unit classifies occupant in passenger seat and detects electrical malfunctions in Occupant Classification System, and transmits malfunction information to air bag diagnosis sensor unit.

DTC Logic

INFOID:000000004496441

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1022	OCCUPANT SENS C/U [COMM FAIL]	Malfunction occurs in Occupant Classification System control unit, circuit of Occupant Classification System control unit-Air bag diagnosis sensor unit, or Air bag diagnosis sensor unit	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in Occupant Classification System control unit• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-31, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496442

WARNING:

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

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-31, "DTC Logic"](#).

Is DTC detected?

B1022 OCCUPANT SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

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

4. CHECK OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

1. Replace passenger seat cushion assembly. Refer to [SE-27. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-31. "DTC Logic"](#).

Is DTC detected?

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

B1023 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

B1023 PASSENGER AIR BAG OFF INDICATOR

Description

INFOID:000000004496443

Illuminates passenger air bag OFF indicator when the passenger seat is empty or occupied by a child or a child-seat.

DTC Logic

INFOID:000000004496444

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1023	PASS A/B INDCTR CKT [UNIT FAIL]	Passenger air bag OFF indicator circuit is open or shorted to ground or the circuits are shorted each other	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in passenger air bag OFF indicator• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-33, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496445

WARNING:

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

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [IP-12, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-33, "DTC Logic"](#).

Is DTC detected?

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

B1023 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

4. CHECK PASSENGER AIR BAG OFF INDICATOR

1. Replace passenger air bag OFF indicator. Refer to [IP-12, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-33, "DTC Logic"](#).

Is DTC detected?

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

B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

Description

INFOID:000000004533987

Occupant Classification System sensor detects occupant in passenger seat and transmits it to Occupant Classification System control unit.

DTC Logic

INFOID:000000004496447

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1025 B1032 B1048	OCS SENSOR	Malfunction occurs in Occupant Classification System control unit, circuit of Occupant Classification System control unit-Air bag diagnosis sensor unit, or Air bag diagnosis sensor unit	<ul style="list-style-type: none">Disconnection of wiring harnessInternal breakdown in Occupant Classification System control unitMalfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496448

WARNING:

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

DIAGNOSTIC PROCEDURE

1. CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
- Perform DTC confirmation procedure. Refer to [SRC-35, "DTC Logic"](#).

Is DTC detected?

B1025, B1032, B1048 OCCUPANT SYSTEM SENSOR

< DTC/CIRCUIT DIAGNOSIS >

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

4. CHECK OCCUPANT DETECTION SYSTEM CONTROL UNIT

1. Replace passenger seat cushion assembly. Refer to [SE-27. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-35. "DTC Logic"](#).

Is DTC detected?

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

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description

INFOID:000000004533988

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496450

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1026 B1027 B1028 B1029 B1030 B1031	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-37, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496451

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-37, "DTC Logic"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1033, B1034 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B1033, B1034 CRASH ZONE SENSOR

Description

INFOID:000000004496452

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal collision that is more than the specified limit is detected.

DTC Logic

INFOID:000000004496453

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1033 B1034	CRASH ZONE SENSOR [UNIT FAIL]	Crash zone sensor is malfunctioning	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in crash zone sensor• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-39, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496454

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-39, "DTC Logic"](#).

Is DTC detected?

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

4.REPLACE CRASH ZONE SENSOR

B1033, B1034 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

1. Replace crash zone sensor. Refer to [SR-21, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-39, "DTC Logic"](#).

Is DTC detected?

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

B1035, B1036 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B1035, B1036 CRASH ZONE SENSOR

Description

INFOID:000000004533989

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal collision that is more than the specified limit is detected.

DTC Logic

INFOID:000000004496456

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1035 B1036	CRASH ZONE SENSOR [COMM FAIL] [UNMATCH]	Crash zone sensor is malfunctioning or out of the specified specification	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in crash zone sensor• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496457

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-41, "DTC Logic"](#).

Is DTC detected?

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

B1035, B1036 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE CRASH ZONE SENSOR

1. Replace crash zone sensor. Refer to [SR-21, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-41, "DTC Logic"](#).

Is DTC detected?

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

B1037, B1039, B1041 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B1037, B1039, B1041 CRASH ZONE SENSOR

Description

INFOID:000000004533990

Crash zone sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle frontal collision that is more than the specified limit is detected.

DTC Logic

INFOID:000000004496459

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1037 B1039 B1041	CRASH ZONE SENSOR1	Crash zone sensor is malfunctioning	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in crash zone sensor• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496460

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC detected?

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

4. REPLACE CRASH ZONE SENSOR

B1037, B1039, B1041 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

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

Is DTC detected?

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

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description

INFOID:000000004533992

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496462

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1042 B1043 B1044 B1045 B1046 B1047	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-45, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496463

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-45, "DTC Logic"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1049, B1054 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1049, B1054 DRIVER AIR BAG MODULE

Description

INFOID:000000004496464

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

DTC Logic

INFOID:000000004496465

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module circuit is open (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and open• Malfunction in driver air bag module• Malfunction in spiral cable• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496466

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. CHECK SPIRAL CABLE CIRCUIT

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

B1049, B1054 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	
M302	10	M35	28	Existed
	11		30	
M301	12		29	
	9		30	

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

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

Is the inspection result normal?

YES >> GO TO 4.

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

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-47, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5. REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-11, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-47, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1050, B1055 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1050, B1055 DRIVER AIR BAG MODULE

Description

INFOID:000000004533993

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

DTC Logic

INFOID:000000004496468

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in driver air bag module• Malfunction in spiral cable• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-49, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004533994

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.CHECK SPIRAL CABLE CIRCUIT

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

B1050, B1055 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	
M302	10	M35	28	Existed
	11		30	
M301	12		29	
	9		30	

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

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

Is the inspection result normal?

YES >> GO TO 4.

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

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-49, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5. REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-11, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-49, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1051, B1056 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1051, B1056 DRIVER AIR BAG MODULE

Description

INFOID:000000004533995

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

DTC Logic

INFOID:000000004496471

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1051 B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in driver air bag module• Malfunction in spiral cable• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-51, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004533996

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. CHECK SPIRAL CABLE CIRCUIT

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

B1051, B1056 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	
M302	10	M35	28	Existed
	11		30	
M301	12		29	
	9		30	

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

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

Is the inspection result normal?

YES >> GO TO 4.

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

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-51, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5. REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-11, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-51, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1052, B1057 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1052, B1057 DRIVER AIR BAG MODULE

Description

INFOID:000000004533997

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

DTC Logic

INFOID:000000004496474

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in driver air bag module• Malfunction in spiral cable• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-53, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004533998

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. CHECK SPIRAL CABLE CIRCUIT

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

B1052, B1057 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	
M302	10	M35	28	Existed
	11		30	
M301	12		29	
	9		30	

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

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

Is the inspection result normal?

YES >> GO TO 4.

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

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-53, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5. REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-11, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-53, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description

INFOID:000000004533999

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496477

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1058 B1059 B1060 B1061 B1062 B1063	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-55, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496478

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-55, "DTC Logic"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1065, B1070 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1065, B1070 PASSENGER AIR BAG MODULE

Description

INFOID:000000004534002

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

DTC Logic

INFOID:000000004496480

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1065 B1070	ASSIST A/B MODULE [OPEN]	Passenger air bag module circuit is open	<ul style="list-style-type: none">• Disconnection of wiring harness and open• Malfunction in passenger air bag module• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-57, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496481

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-57, "DTC Logic"](#).

Is DTC detected?

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

B1065, B1070 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module. Refer to [SR-17, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-57, "DTC Logic"](#).

Is DTC detected?

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

B1066, B1071 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1066, B1071 PASSENGER AIR BAG MODULE

Description

INFOID:000000004534012

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

DTC Logic

INFOID:000000004496483

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in passenger air bag module• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-59, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496484

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-59, "DTC Logic"](#).

Is DTC detected?

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

B1066, B1071 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module. Refer to [SR-17, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-59, "DTC Logic"](#).

Is DTC detected?

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

B1067, B1072 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1067, B1072 PASSENGER AIR BAG MODULE

Description

INFOID:000000004534013

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

DTC Logic

INFOID:000000004496486

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Passenger air bag module circuit is shorted to ground	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in passenger air bag module• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-61, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496487

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-61, "DTC Logic"](#).

Is DTC detected?

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

B1067, B1072 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module. Refer to [SR-17, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-61, "DTC Logic"](#).

Is DTC detected?

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

B1068, B1073 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1068, B1073 PASSENGER AIR BAG MODULE

Description

INFOID:000000004534014

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

DTC Logic

INFOID:000000004496489

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1068 B1073	ASSIST A/B MODULE [SHORT]	Passenger air bag module circuits are shorted to each other	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in passenger air bag module• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-63, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496490

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-63, "DTC Logic"](#).

Is DTC detected?

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

B1068, B1073 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE FRONT PASSENGER AIR BAG MODULE

1. Replace front passenger air bag module. Refer to [SR-17, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-63, "DTC Logic"](#).

Is DTC detected?

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

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description

INFOID:000000004534015

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496492

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1074 B1075 B1076 B1077 B1078 B1079	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

Ⓜ With CONSULT-III

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

Ⓜ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-65, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496493

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-65, "DTC Logic"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1080, B1096 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1080, B1096 DRIVER AIR BAG MODULE

Description

INFOID:000000004534016

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

DTC Logic

INFOID:000000004496495

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in driver air bag module• Malfunction in spiral cable• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-67, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004534017

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.CHECK SPIRAL CABLE CIRCUIT

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

B1080, B1096 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	
M302	10	M35	28	Existed
	11		30	
M301	12		29	
	9		30	

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

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

Is the inspection result normal?

YES >> GO TO 4.

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

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-67, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 5.

NO >> INSPECTION END

5. REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-11, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-67, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1081 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

B1081 SEAT BELT PRE-TENSIONER RH

Description

INFOID:000000004496497

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

DTC Logic

INFOID:000000004496498

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1081	PRE-TEN FRONT RH [OPEN]	Seat belt pre-tensioner RH circuit is open	<ul style="list-style-type: none">• Disconnection of wiring harness and open• Malfunction in seat belt pre-tensioner RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-69, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496499

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-69, "DTC Logic"](#).

Is DTC detected?

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

B1081 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner RH. Refer to [SB-6, "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-69, "DTC Logic"](#).

Is DTC detected?

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

B1082 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

B1082 SEAT BELT PRE-TENSIONER RH

Description

INFOID:000000004534018

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

DTC Logic

INFOID:000000004496501

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1082	PRE-TEN FRONT RH [VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in seat belt pre-tensioner RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496502

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC detected?

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

B1082 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner RH. Refer to [SB-6, "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-71, "DTC Logic"](#).

Is DTC detected?

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

B1083 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

B1083 SEAT BELT PRE-TENSIONER RH

Description

INFOID:000000004534019

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

DTC Logic

INFOID:000000004496504

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1083	PRE-TEN FRONT RH [GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground	<ul style="list-style-type: none"> • Disconnection of wiring harness and short • Malfunction in seat belt pre-tensioner RH • Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496505

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-73, "DTC Logic"](#).

Is DTC detected?

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

B1083 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner RH. Refer to [SB-6, "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-73, "DTC Logic"](#).

Is DTC detected?

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

B1084 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

B1084 SEAT BELT PRE-TENSIONER RH

Description

INFOID:000000004534020

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

DTC Logic

INFOID:000000004496507

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1084	PRE-TEN FRONT RH [SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in seat belt pre-tensioner RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496508

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-75, "DTC Logic"](#).

Is DTC detected?

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

B1084 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner RH. Refer to [SB-6, "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-75, "DTC Logic"](#).

Is DTC detected?

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

B1086 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

B1086 SEAT BELT PRE-TENSIONER LH

Description

INFOID:000000004534021

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

DTC Logic

INFOID:000000004496510

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1086	PRE-TEN FRONT LH [OPEN]	Seat belt pre-tensioner LH circuit is open	<ul style="list-style-type: none">Disconnection of wiring harness and openMalfunction in seat belt pre-tensioner LHMalfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-77, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496511

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
- Perform DTC confirmation procedure. Refer to [SRC-77, "DTC Logic"](#).

Is DTC detected?

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

B1086 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner LH. Refer to [SB-6, "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-77, "DTC Logic"](#).

Is DTC detected?

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

B1087 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

B1087 SEAT BELT PRE-TENSIONER LH

Description

INFOID:000000004534022

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

DTC Logic

INFOID:000000004496513

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1087	PRE-TEN FRONT LH [VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in seat belt pre-tensioner LH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-79, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496514

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-79, "DTC Logic"](#).

Is DTC detected?

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

B1087 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner LH. Refer to [SB-6, "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-79, "DTC Logic"](#).

Is DTC detected?

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

B1088 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

B1088 SEAT BELT PRE-TENSIONER LH

Description

INFOID:000000004534023

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

DTC Logic

INFOID:000000004496516

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1088	PRE-TEN FRONT LH [GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in seat belt pre-tensioner LH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-81, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496517

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-81, "DTC Logic"](#).

Is DTC detected?

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

B1088 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner LH. Refer to [SB-6, "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-81, "DTC Logic"](#).

Is DTC detected?

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

B1089 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

B1089 SEAT BELT PRE-TENSIONER LH

Description

INFOID:000000004534024

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

DTC Logic

INFOID:000000004496519

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1089	PRE-TEN FRONT LH [SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in seat belt pre-tensioner LH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496520

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-83, "DTC Logic"](#).

Is DTC detected?

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

B1089 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner LH. Refer to [SB-6, "SEAT BELT RETRACTOR : Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-83, "DTC Logic"](#).

Is DTC detected?

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

B1090, B1091, B1092, B1093, B1094, B1095 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1090, B1091, B1092, B1093, B1094, B1095 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004534026

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496522

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1090 B1091 B1092 B1093 B0194 B1095	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-85, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496523

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-85, "DTC Logic"](#).

B1090, B1091, B1092, B1093, B1094, B1095 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description

INFOID:000000004534027

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496525

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1106 B1107 B1108 B1109 B1110 B1111	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-87, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496526

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-87, "DTC Logic"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1113, B1114 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B1113, B1114 SATELLITE SENSOR RH

Description

INFOID:000000004496527

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

DTC Logic

INFOID:000000004496528

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	Satellite sensor RH is malfunctioning	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in satellite sensor RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496529

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC detected?

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

B1113, B1114 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SATELLITE SENSOR

1. Replace satellite sensor RH. Refer to [SR-23, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-89, "DTC Logic"](#).

Is DTC detected?

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

B1115, B1116 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B1115, B1116 SATELLITE SENSOR RH

Description

INFOID:000000004534028

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

DTC Logic

INFOID:000000004496531

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1115 B1116	SATELLITE SENS RH [COMM FAIL] [UNMATCH]	Satellite sensor RH is malfunctioning or out of the specified specification	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in satellite sensor RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-91, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496532

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-91, "DTC Logic"](#).

Is DTC detected?

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

B1115, B1116 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SATELLITE SENSOR

1. Replace satellite sensor RH. Refer to [SR-23, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-91, "DTC Logic"](#).

Is DTC detected?

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

B1118, B1119 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B1118, B1119 SATELLITE SENSOR LH

Description

INFOID:000000004534029

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

DTC Logic

INFOID:000000004496534

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	Satellite sensor LH is malfunctioning	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in satellite sensor LH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-93, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496535

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-23, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-93, "DTC Logic"](#).

Is DTC detected?

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

B1118, B1119 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SATELLITE SENSOR

1. Replace satellite sensor LH. Refer to [SR-23, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-93, "DTC Logic"](#)

Is DTC detected?

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

B1120, B1121 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B1120, B1121 SATELLITE SENSOR LH

Description

INFOID:000000004534039

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

DTC Logic

INFOID:000000004496537

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1120 B1121	SATELLITE SENS LH [COMM FAIL] [UNMATCH]	Satellite sensor LH is malfunctioning or out of the specified specification	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in satellite sensor LH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-95, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496538

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-95, "DTC Logic"](#).

Is DTC detected?

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

B1120, B1121 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SATELLITE SENSOR

1. Replace satellite sensor LH. Refer to [SR-23, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-95, "DTC Logic"](#).

Is DTC detected?

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

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description

INFOID:000000004534040

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496540

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1122 B1123 B1124 B1125 B1126 B1127	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

YES >> Refer to [SRC-97, "Diagnosis Procedure"](#).

NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496541

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-97, "DTC Logic"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1129 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B1129 SIDE AIR BAG MODULE RH

Description

INFOID:000000004496542

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

DTC Logic

INFOID:000000004496543

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1129	SIDE MODULE RH [OPEN]	Side air bag module RH circuit is open	<ul style="list-style-type: none">• Disconnection of wiring harness and open• Malfunction in side air bag module RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#)

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-99, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496544

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-99, "DTC Logic"](#).

Is DTC detected?

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

B1129 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SIDE AIR BAG MODULE

1. Replace side air bag module RH. Refer to [SE-24, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-99, "DTC Logic"](#).

Is DTC detected?

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

B1130 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B1130 SIDE AIR BAG MODULE RH

Description

INFOID:000000004534041

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

DTC Logic

INFOID:000000004496546

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1130	SIDE MODULE RH [VB-SHORT]	Side air bag module RH circuit is shorted to power supply circuit	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in side air bag module RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-101, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496547

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-101, "DTC Logic"](#).

Is DTC detected?

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

B1130 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SIDE AIR BAG MODULE

1. Replace side air bag module RH. Refer to [SE-24, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-101, "DTC Logic"](#).

Is DTC detected?

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

B1131 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B1131 SIDE AIR BAG MODULE RH

Description

INFOID:000000004534043

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

DTC Logic

INFOID:000000004496549

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1131	SIDE MODULE RH [GND-SHORT]	Side air bag module RH circuit is shorted to ground	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in side air bag module RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-103, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496550

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-103, "DTC Logic"](#).

Is DTC detected?

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

B1131 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SIDE AIR BAG MODULE

1. Replace side air bag module RH. Refer to [SE-24, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-103, "DTC Logic"](#).

Is DTC detected?

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

B1132 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B1132 SIDE AIR BAG MODULE RH

Description

INFOID:000000004534044

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

DTC Logic

INFOID:000000004496552

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1132	SIDE MODULE RH [SHORT]	Side air bag module RH circuits are shorted to each other	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in side air bag module RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-105, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496553

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-105, "DTC Logic"](#).

Is DTC detected?

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

B1132 SIDE AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SIDE AIR BAG MODULE

1. Replace side air bag module RH. Refer to [SE-24, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-105, "DTC Logic"](#).

Is DTC detected?

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

B1134 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B1134 SIDE AIR BAG MODULE LH

Description

INFOID:000000004534045

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

DTC Logic

INFOID:000000004496555

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1134	SIDE MODULE LH [OPEN]	Side air bag module LH circuit is open	<ul style="list-style-type: none">• Disconnection of wiring harness and open• Malfunction in side air bag module LH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-107, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496556

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-107, "DTC Logic"](#).

Is DTC detected?

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

B1134 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SIDE AIR BAG MODULE

1. Replace side air bag module LH. Refer to [SE-24, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-107, "DTC Logic"](#).

Is DTC detected?

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

B1135 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B1135 SIDE AIR BAG MODULE LH

Description

INFOID:000000004534046

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

DTC Logic

INFOID:000000004496558

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1135	SIDE MODULE LH [VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in side air bag module LH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-109, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496559

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-109, "DTC Logic"](#).

Is DTC detected?

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

B1135 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SIDE AIR BAG MODULE

1. Replace side air bag module LH. Refer to [SE-24, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-109, "DTC Logic"](#).

Is DTC detected?

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

B1136 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B1136 SIDE AIR BAG MODULE LH

Description

INFOID:000000004534047

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

DTC Logic

INFOID:000000004496561

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1136	SIDE MODULE LH [GND-SHORT]	Side air bag module LH circuit is shorted to ground	<ul style="list-style-type: none">Disconnection of wiring harness and shortMalfunction in side air bag module LHMalfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-111, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496562

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
- Perform DTC confirmation procedure. Refer to [SRC-111, "DTC Logic"](#).

Is DTC detected?

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

B1136 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SIDE AIR BAG MODULE

1. Replace side air bag module LH. Refer to [SE-24, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-111, "DTC Logic"](#).

Is DTC detected?

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

B1137 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B1137 SIDE AIR BAG MODULE LH

Description

INFOID:000000004534048

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

DTC Logic

INFOID:000000004496564

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1137	SIDE MODULE LH [SHORT]	Side air bag module LH circuits are shorted to each other	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in side air bag module LH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-113, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496565

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-113, "DTC Logic"](#).

Is DTC detected?

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

B1137 SIDE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE SIDE AIR BAG MODULE

1. Replace side air bag module LH. Refer to [SE-24, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-113, "DTC Logic"](#).

Is DTC detected?

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

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description

INFOID:000000004534049

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496567

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1138 B1139 B1140 B1141 B1142 B1143	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

YES >> Refer to [SRC-115, "Diagnosis Procedure"](#).

NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496568

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-115, "DTC Logic"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1144 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1144 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004534050

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496570

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1144	Diagnosis sensor unit	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none">• Malfunction in air bag diagnosis sensor unit• Configuration in air bag diagnosis sensor unit does not match the vehicles specification

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-117, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496571

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-117, "DTC Logic"](#).

Is DTC detected?

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

B1145 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B1145 CURTAIN AIR BAG MODULE RH

Description

INFOID:000000004496572

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

DTC Logic

INFOID:000000004496573

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1145	CURTAIN MODULE RH [OPEN]	Curtain air bag module RH circuit is open	<ul style="list-style-type: none">• Disconnection of wiring harness and open• Malfunction in side curtain air bag module RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

Ⓟ With CONSULT-III

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

ⓧ Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14. "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496574

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-118. "DTC Logic"](#).

Is DTC detected?

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

B1145 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE CURTAIN AIR BAG MODULE

1. Replace curtain air bag module RH. Refer to [SE-24, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-118, "DTC Logic"](#).

Is DTC detected?

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

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SRC

B1146 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B1146 CURTAIN AIR BAG MODULE RH

Description

INFOID:000000004534051

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

DTC Logic

INFOID:000000004496576

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1146	CURTAIN MODULE RH [VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in curtain air bag module RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14. "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496577

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-120. "DTC Logic"](#).

Is DTC detected?

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

B1146 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

4.REPLACE CURTAIN AIR BAG MODULE

1. Replace curtain air bag module RH. Refer to [SE-24, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-120, "DTC Logic"](#).

Is DTC detected?

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

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SRC

B1147 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B1147 CURTAIN AIR BAG MODULE RH

Description

INFOID:000000004534052

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

DTC Logic

INFOID:000000004496579

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1147	CURTAIN MODULE RH [GND-SHORT]	Curtain air bag module RH circuit is shorted to ground	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in curtain air bag module RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-122, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496580

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-122, "DTC Logic"](#).

Is DTC detected?

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

B1147 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE CURTAIN AIR BAG MODULE

1. Replace curtain air bag module RH. Refer to [SE-24, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-122, "DTC Logic"](#).

Is DTC detected?

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

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SRC

B1148 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B1148 CURTAIN AIR BAG MODULE RH

Description

INFOID:000000004534053

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

DTC Logic

INFOID:000000004496582

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1148	CURTAIN MODULE RH [SHORT]	Curtain air bag module RH circuits are shorted to each other	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in curtain air bag module RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-124, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496583

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-124, "DTC Logic"](#).

Is DTC detected?

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

B1148 CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE CURTAIN AIR BAG MODULE

1. Replace curtain air bag module RH. Refer to [SE-24, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-124, "DTC Logic"](#).

Is DTC detected?

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

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SRC

B1150 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B1150 CURTAIN AIR BAG MODULE LH

Description

INFOID:000000004534054

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

DTC Logic

INFOID:000000004496585

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1150	CURTAIN MODULE LH [OPEN]	Curtain air bag module LH circuit is open	<ul style="list-style-type: none">• Disconnection of wiring harness and open• Malfunction in curtain air bag module LH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14. "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496586

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-126. "DTC Logic"](#).

Is DTC detected?

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

B1150 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE CURTAIN AIR BAG MODULE

1. Replace curtain air bag module LH. Refer to [SE-24, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-126, "DTC Logic"](#).

Is DTC detected?

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

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SRC

B1151 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B1151 CURTAIN AIR BAG MODULE LH

Description

INFOID:000000004534055

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

DTC Logic

INFOID:000000004496588

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1151	CURTAIN MODULE LH [VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuit	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in curtain air bag module LH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

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

Diagnosis Procedure

INFOID:000000004496589

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-128, "DTC Logic"](#).

Is DTC detected?

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

B1151 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

4.REPLACE CURTAIN AIR BAG MODULE

1. Replace curtain air bag module LH. Refer to [SE-24, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-128, "DTC Logic"](#).

Is DTC detected?

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

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SRC

B1152 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B1152 CURTAIN AIR BAG MODULE LH

Description

INFOID:000000004534056

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

DTC Logic

INFOID:000000004496591

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1152	CURTAIN MODULE LH [GND-SHORT]	Curtain air bag module LH circuit is shorted to ground	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in curtain air bag module LH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14. "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-130. "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496592

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-130. "DTC Logic"](#).

Is DTC detected?

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

B1152 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE CURTAIN AIR BAG MODULE

1. Replace curtain air bag module LH. Refer to [SE-24, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-130, "DTC Logic"](#).

Is DTC detected?

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

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B1153 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B1153 CURTAIN AIR BAG MODULE LH

Description

INFOID:000000004534057

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

DTC Logic

INFOID:000000004496594

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1153	CURTAIN MODULE LH [SHORT]	Curtain air bag module LH circuits are shorted to each other	<ul style="list-style-type: none">• Disconnection of wiring harness and short• Malfunction in curtain air bag module LH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14. "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-132. "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496595

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-132. "DTC Logic"](#).

Is DTC detected?

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

B1153 CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

4. REPLACE CURTAIN AIR BAG MODULE

1. Replace curtain air bag module LH. Refer to [SE-24, "Exploded View"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-132, "DTC Logic"](#).

Is DTC detected?

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

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SRC

B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004534059

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496597

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1154 B1155 B1156 B1157 B1158 B1159	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

YES >> Refer to [SRC-134, "Diagnosis Procedure"](#).

NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496598

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-134, "DTC Logic"](#).

B1154, B1155, B1156, B1157, B1158, B1159 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description

INFOID:000000004534060

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496600

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1170 B1171 B1172 B1173 B1174 B1175	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-136, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496601

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-136, "DTC Logic"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004534062

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496603

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1186 B1187 B1188 B1189 B1190 B1191	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

YES >> Refer to [SRC-138, "Diagnosis Procedure"](#).

NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496604

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-138, "DTC Logic"](#).

B1186, B1187, B1188, B1189, B1190, B1191 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

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

Description

INFOID:000000004534063

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496606

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1202 B1203 B1204 B1205 B1206 B1207	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-140, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496607

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-140, "DTC Logic"](#).

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

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B1209 FRONTAL COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

B1209 FRONTAL COLLISION DETECTION

Description

INFOID:000000004496608

The air bags and seat belt pre-tensioners for driver and passenger are activated by the air bag diagnosis sensor unit signal transmitted at the time of the frontal collision.

DTC Logic

INFOID:000000004496609

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1209	FRONTAL COLLISION DETECTION	Seat belt pre-tensioner, driver side air bag and passenger air bag are deployed	—

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14. "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-142. "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000005900120

WARNING:

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

1. PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis. Refer to [SR-5. "FOR FRONTAL COLLISION : When SRS is activated in a collision"](#) or [SR-6. "FOR FRONTAL COLLISION : When SRS is not activated in a collision"](#).

Is collision diagnosis complete?

- YES >> GO TO 2.
NO >> INSPECTION END

2. FINAL INSPECTION

Perform "AIR BAG" Self Diagnostic Result.

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Perform diagnosis of applicable DTC. Refer to [SRC-151. "DTC Index"](#).

B1210 SIDE COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

B1210 SIDE COLLISION DETECTION

Description

INFOID:000000004496611

The side air bag and curtain air bag are activated by the air bag diagnosis sensor unit signal transmitted at the time of side collision.

DTC Logic

INFOID:000000004496612

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1210	SIDE COLLISION DETECTION	Side air bag and curtain air bag are deployed	—

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-143, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000005900122

WARNING:

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

1. PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis. Refer to [SR-7, "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision"](#) or [SR-8, "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision"](#).

Is collision diagnosis complete?

- YES >> GO TO 2.
NO >> INSPECTION END

2. FINAL INSPECTION

Perform "AIR BAG" Self Diagnostic Result.

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Perform diagnosis of applicable DTC. Refer to [SRC-151, "DTC Index"](#).

B1211 ROLLOVER DETECTION

< DTC/CIRCUIT DIAGNOSIS >

B1211 ROLLOVER DETECTION

Description

INFOID:000000004496614

The seat belt pre-tensioner and curtain air bag are activated by the air bag diagnosis sensor unit signal at the time of rollover.

DTC Logic

INFOID:000000004496615

DTC DETECTION LOGIC

With CONSULT-III

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

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1211	ROLLOVER DETECTION	Seat belt pre-tensioner and curtain air bag module are deployed because of rollover detection	—

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14. "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-144. "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000005900123

WARNING:

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

1. PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis. Refer to [SR-7. "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision"](#) or [SR-8. "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision"](#).

Is collision diagnosis complete?

- YES >> GO TO 2.
NO >> INSPECTION END

2. FINAL INSPECTION

Perform “AIR BAG” Self Diagnostic Result.

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Perform diagnosis of applicable DTC. Refer to [SRC-151. "DTC Index"](#).

B1212, B1213, B1214 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B1212, B1213, B1214 SATELLITE SENSOR RH

Description

INFOID:000000004496617

Satellite sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle side collision that is more than the specified limit is detected.

DTC Logic

INFOID:000000004496618

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1212 B1213 B1214	RH1 SAT-SENS	Satellite sensor RH is malfunctioning	<ul style="list-style-type: none">• Disconnection of wiring harness• Malfunction in satellite sensor RH• Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14. "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-145. "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496619

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-145. "DTC Logic"](#).

Is DTC detected?

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

4. REPLACE SATELLITE SENSOR

B1212, B1213, B1214 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

1. Replace satellite sensor RH. Refer to [SR-23, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-145, "DTC Logic"](#).

Is DTC detected?

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

B1215, B1216, B1217 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B1215, B1216, B1217 SATELLITE SENSOR LH

Description

INFOID:000000004534077

Satellite sensor is a G sensor that outputs voltage signal during deceleration at the time of a vehicle side collision that is more than the specified limit is detected.

DTC Logic

INFOID:000000004496621

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1215 B1216 B1217	LH1 SAT-SENS	Satellite sensor LH is malfunctioning	<ul style="list-style-type: none">Disconnection of wiring harnessMalfunction in satellite sensor LHMalfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-14. "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-147. "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496622

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

- Replace air bag diagnosis sensor unit. Refer to [SR-25. "Exploded View"](#).
- Perform DTC confirmation procedure. Refer to [SRC-147. "DTC Logic"](#).

Is DTC detected?

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

4. REPLACE SATELLITE SENSOR

B1215, B1216, B1217 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

1. Replace satellite sensor LH. Refer to [SR-23, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-147, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT

Description

INFOID:000000004534078

- It detects a shock that is more than the specified level and monitors whether the driver and passenger air bags, side air bag, curtain air bag, and pre-tensioner seat belts operate normally.
- It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

DTC Logic

INFOID:000000004496624

DTC DETECTION LOGIC

DTC	Display contents of CONSULT-III	DTC detecting condition	Possible cause
B1218 B1219 B1220 B1221 B1222 B1223	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

With CONSULT-III

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

Without CONSULT-III

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "Diagnosis with Air Bag Warning Lamp"](#).

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to [SRC-149, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000004496625

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Exploded View"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-149, "DTC Logic"](#).

B1218, B1219, B1220, B1221, B1222, B1223 DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:000000004496626

DTC	Diagnostic item	Explanation		Reference page
—	NO DTC IS DETECTED.	When malfunction is indicated by the "AIR BAG" warning lamp in the user mode	Low battery voltage (Less than 9 V)	SRC-27, "DTC Logic" .
			<ul style="list-style-type: none"> • Self-diagnosis result "SELF-DIAG [PAST]" (previously stored in the memory) might not be erased after repair • Intermittent malfunction is detected in the past 	SRC-14, "Diagnosis with Air Bag Warning Lamp" , SRC-19, "CONSULT-III Function" .
		No malfunction is detected		—
B1001-B1015	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning		<ul style="list-style-type: none"> • SRC-21, "DTC Logic". • SRC-23, "DTC Logic". • SRC-25, "DTC Logic".
B1017 B1020 B1021	OCCUPANT SENS C/U [UNIT FAIL]	Malfunction occurs in Occupant Classification System control unit		SRC-27, "DTC Logic" .
B1018	OCCUPANT SENS [UNIT FAIL]	Malfunction occurs in Occupant Classification System sensor		SRC-29, "DTC Logic" .
B1022	OCCUPANT SENS C/U [COMM FAIL]	Malfunction occurs in Occupant Classification System control unit, circuit of Occupant Classification System control unit air bag diagnosis sensor unit, or air bag diagnosis sensor unit		SRC-31, "DTC Logic" .
B1023	PASS A/B INDCTR CKT	Passenger air bag OFF indicator circuit is open or shorted to ground or the circuits are shorted each other		SRC-33, "DTC Logic" .
B1025 B1032 B1048	OCS SENSOR	Malfunction occurs in Occupant Classification System control unit, circuit of Occupant Classification System control unit air bag diagnosis sensor unit, or air bag diagnosis sensor unit		SRC-35, "DTC Logic" .
B1026-B1031	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification		SRC-37, "DTC Logic" .
B1033 B1034	CRASH ZONE SEN [UNIT FAIL]	Crash zone sensor is malfunctioning		SRC-39, "DTC Logic" .
B1035	CRASH ZONE SEN [COMM FAIL]	Crash zone sensor is malfunctioning or out of the specified specification		SRC-41, "DTC Logic" .
B1036	CRASH ZONE SEN [UNMATCH]			
B1037 B1039 B1041	CRASH ZONE SEN1	Crash zone sensor is malfunctioning		SRC-43, "DTC Logic" .
B1042-B1047	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning		SRC-45, "DTC Logic" .
B1049 B1054	DRIVER AIRBAG MODULE [OPEN]	Driver air bag module circuit is open (including the spiral cable)		SRC-47, "DTC Logic" .
B1050 B1055	DRIVER AIRBAG MODULE [VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)		SRC-49, "DTC Logic" .
B1051 B1056	DRIVER AIRBAG MODULE [GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)		SRC-51, "DTC Logic" .
B1052 B1057	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuits are shorted to each other (including spiral cable)		SRC-53, "DTC Logic" .

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Explanation	Reference page
B1058-B1063	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-55, "DTC Logic" .
B1065 B1070	ASSIST A/B MODULE [OPEN]	Passenger air bag module circuit is open	SRC-57, "DTC Logic" .
B1066 B1071	ASSIST A/B MODULE [VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	SRC-59, "DTC Logic" .
B1067 B1072	ASSIST A/B MODULE [GND-SHORT]	Passenger air bag module circuit is shorted to ground	SRC-61, "DTC Logic" .
B1068 B1073	ASSIST A/B MODULE [SHORT]	Passenger air bag module circuits are shorted to each other	SRC-63, "DTC Logic" .
B1074-B1079	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-65, "DTC Logic" .
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuits are shorted to each other (including spiral cable)	SRC-67, "DTC Logic" .
B1081	PRE-TEN FRONT RH [OPEN]	Seat belt pre-tensioner RH circuit is open	SRC-69, "DTC Logic" .
B1082	PRE-TEN FRONT RH [VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit	SRC-71, "DTC Logic" .
B1083	PRE-TEN FRONT RH [GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground	SRC-73, "DTC Logic" .
B1084	PRE-TEN FRONT RH [SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	SRC-75, "DTC Logic" .
B1086	PRE-TEN FRONT LH [OPEN]	Seat belt pre-tensioner LH circuit is open	SRC-77, "DTC Logic" .
B1087	PRE-TEN FRONT LH [VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit	SRC-79, "DTC Logic" .
B1088	PRE-TEN FRONT LH [GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground	SRC-81, "DTC Logic" .
B1089	PRE-TEN FRONT LH [SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other	SRC-83, "DTC Logic" .
B1090-B1095	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-85, "DTC Logic" .
B1106-B1111	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-87, "DTC Logic" .
B1113 B1114	SATELLITE SENS RH [UNIT FAIL]	Satellite sensor RH is malfunctioning	SRC-89, "DTC Logic" .
B1115	SATELLITE SENS RH [COMM FAIL]	Satellite sensor RH is malfunctioning or mis-installed	SRC-91, "DTC Logic" .
B1116	SATELLITE SENS RH [UNMATCH]		
B1118 B1119	SATELLITE SENS LH [UNIT FAIL]	Satellite sensor LH is malfunctioning	SRC-93, "DTC Logic" .
B1120	SATELLITE SENS LH [COMM FAIL]	Satellite sensor LH is malfunctioning or mis-installed	SRC-95, "DTC Logic" .
B1121	SATELLITE SENS LH [UNMATCH]		
B1122-B1127	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-97, "DTC Logic" .
B1129	SIDE MODULE RH [OPEN]	Side air bag module RH circuit is open	SRC-99, "DTC Logic" .
B1130	SIDE MODULE RH [VB-SHORT]	Side air bag module RH circuit is shorted to power supply circuit	SRC-101, "DTC Logic" .

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Explanation	Reference page
B1131	SIDE MODULE RH [GND-SHORT]	Side air bag module RH circuit is shorted to ground	SRC-103, "DTC Logic"
B1132	SIDE MODULE RH [SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	SRC-105, "DTC Logic"
B1134	SIDE MODULE LH [OPEN]	Side air bag module LH circuit is open	SRC-107, "DTC Logic"
B1135	SIDE MODULE LH [VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit	SRC-109, "DTC Logic"
B1136	SIDE MODULE LH [GND-SHORT]	Side air bag module LH circuit is shorted to ground	SRC-111, "DTC Logic"
B1137	SIDE MODULE LH [SHORT]	Side air bag module LH circuits are shorted to each other	SRC-113, "DTC Logic"
B1138-B1143	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-115, "DTC Logic"
B1144	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specified specification	SRC-117, "DTC Logic"
B1145	CURTAIN MODULE RH [OPEN]	Curtain air bag module RH circuit is open	SRC-118, "DTC Logic"
B1146	CURTAIN MODULE RH [VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit	SRC-120, "DTC Logic"
B1147	CURTAIN MODULE RH [GND-SHORT]	Curtain air bag module RH circuit is shorted to ground	SRC-122, "DTC Logic"
B1148	CURTAIN MODULE RH [SHORT]	Curtain air bag module RH circuits are shorted to each other	SRC-124, "DTC Logic"
B1150	CURTAIN MODULE LH [OPEN]	Curtain air bag module LH circuit is open	SRC-126, "DTC Logic"
B1151	CURTAIN MODULE LH [VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuits	SRC-128, "DTC Logic"
B1152	CURTAIN MODULE LH [GND-SHORT]	Curtain air bag module LH circuit is shorted to ground	SRC-130, "DTC Logic"
B1153	CURTAIN MODULE LH [SHORT]	Curtain air bag module LH circuits are shorted to each other	SRC-132, "DTC Logic"
B1154-B1159	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-134, "DTC Logic"
B1170-B1175	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-136, "DTC Logic"
B1186-B1191	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-138, "DTC Logic"
B1202-B1207	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-140, "DTC Logic"
B1209	FRONTAL COLLISION DETECTION	Seat belt pre-tensioner, driver side air bag and passenger air bag are deployed	SRC-142, "DTC Logic"
B1210	SIDE COLLISION DETECTION	Side air bag and curtain air bag are deployed	SRC-143, "DTC Logic"
B1211	ROLLOVER DETECTION	Seat belt pre-tensioner side curtain air bag module are deployed because of rollover detection	SRC-144, "DTC Logic"
B1212-B1214	RH1 SAT-SENS	Satellite sensor RH is malfunctioning	SRC-145, "DTC Logic"
B1215-B1217	LH1 SAT-SENS	Satellite sensor LH is malfunctioning	SRC-147, "DTC Logic"
B1218-B1223	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning	SRC-149, "DTC Logic"

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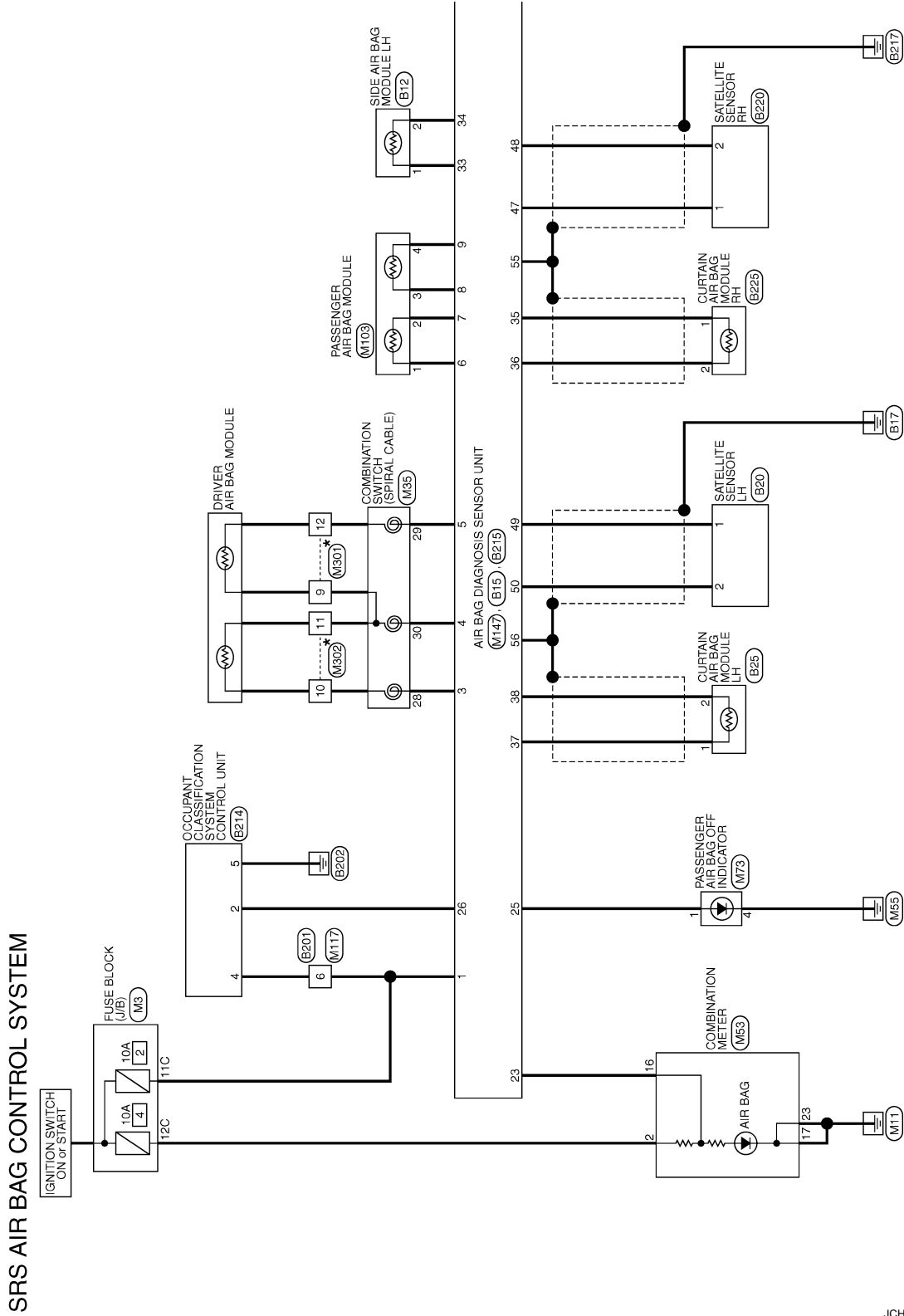
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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -

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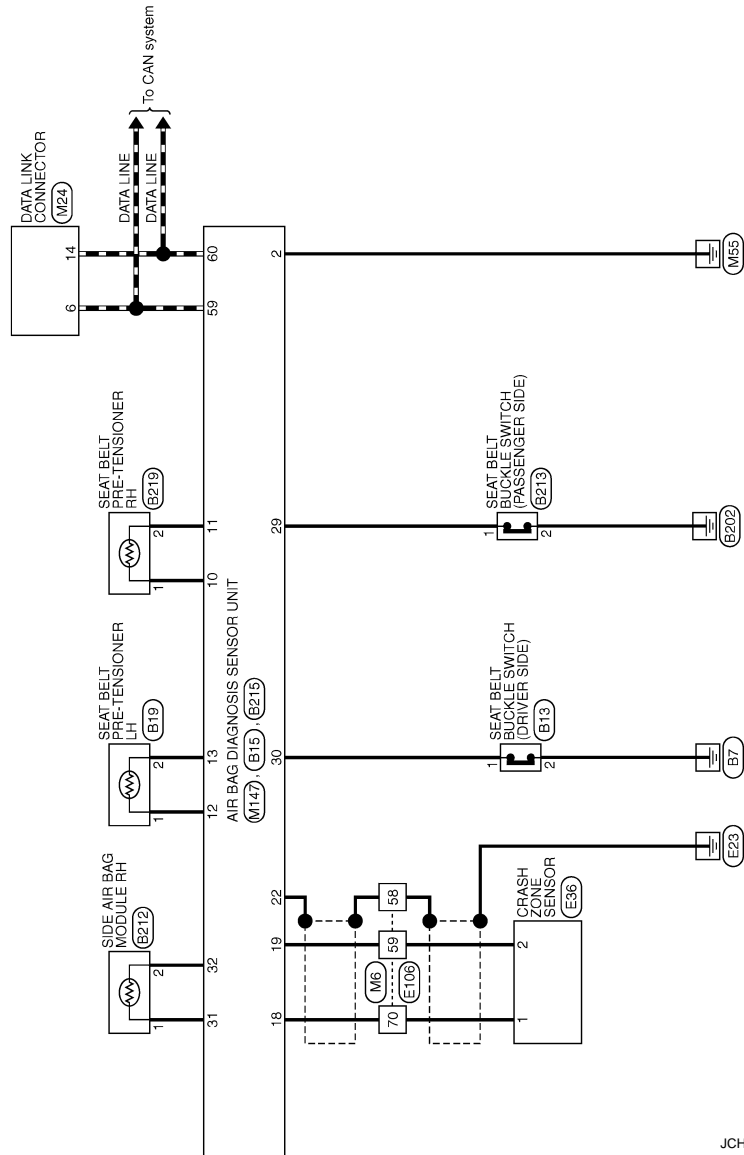
*: This connector is not shown in "Harness Layout".

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DIAGNOSIS SENSOR UNIT

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DIAGNOSIS SENSOR UNIT

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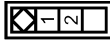
SRS AIR BAG CONTROL SYSTEM

Connector No.	B12
Connector Name	SIDE AIR BAG MODULE LH
Connector Type	TK02FY-EX-1V



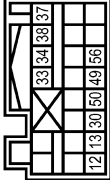
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

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



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

Connector No.	B15
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH2ZFV-2V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
12	Y	PRH(+)
13	Y	PRH(-)
30	SB	LH BUCKLE SW INPUT
33	Y	SRH(+)
34	Y	SRH(-)
37	G	OLH(+)
38	R	OLH(-)
49	P	SATELLITE LH(+)
50	L	SATELLITE LH(-)
56	SHIELD	GND

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



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

Connector No.	B20
Connector Name	SATELLITE SENSOR LH
Connector Type	TK02FY-1V-EX-LC



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

Connector No.	B25
Connector Name	CURTAIN AIR BAG MODULE LH
Connector Type	ACA02FY-2V



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

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH02PW-CS16-TM4



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

Connector No.	B212
Connector Name	SIDE AIR BAG MODULE RH
Connector Type	TK02FY-EX-1V



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

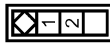
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DIAGNOSIS SENSOR UNIT

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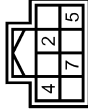
SRS AIR BAG CONTROL SYSTEM

Connector No.	B213
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	AC3FW



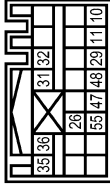
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH88FW-RH



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

Connector No.	B215
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	HN22FY-IV-EX



Terminal No.	Color of Wire	Signal Name [Specification]
10	Y	PRK(+)
11	Y	PRK(-)
26	V	ODS INPUT
29	LG	RH BUCKLE SW INPUT
31	Y	SRM(+)
32	Y	SRM(-)
35	P	ORH(+)
36	L	ORH(-)
47	G	SATELLITE RH(+)
48	R	SATELLITE RH(-)
55	SHIELD	GND

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



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

Connector No.	B220
Connector Name	SATELLITE SENSOR RH
Connector Type	HK02FY-IV-EX-LC



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

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



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

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



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

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH88FW-CSI6-7M4



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

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DIAGNOSIS SENSOR UNIT

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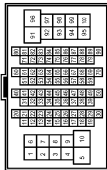
SRS AIR BAG CONTROL SYSTEM

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



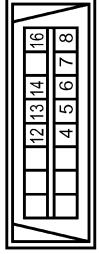
Terminal No.	Color of Wire	Signal Name [Specification]
11C	LG	-
12C	O	-

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



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

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



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

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-TV



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

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH14FW-INH



Terminal No.	Color of Wire	Signal Name [Specification]
2	O	IGNITION SIGNAL
16	R	AIR BAG SIGNAL
17	B	GROUND
23	B	GROUND

Connector No.	M73
Connector Name	PASSENGER AIR BAG OFF INDICATOR
Connector Type	JAB03FB



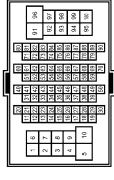
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
4	B	-

Connector No.	M103
Connector Name	PASSENGER AIR BAG MODULE
Connector Type	RC04FY-BD



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

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MP-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
6	LG	-

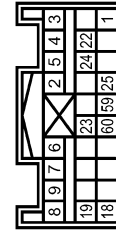
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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

SRS AIR BAG CONTROL SYSTEM

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	IGN
2	B	GND
3	Y	DR1 (+)
4	Y	DR1 (-) DR2 (-)
5	Y	DR2 (+)
6	Y	AS1 (+)
7	Y	AS1 (-)
8	Y	AS2 (+)
9	Y	AS2 (-)
18	R	EGZS (+)
18	L	EGZS (-)

22	SHIELD	GND
23	R	AIRBAG W/L
25	R	CUTOFF TELLTALE
58	L	CAN-H
80	P	CAN-L

Connector No.	M801
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACAGEFOR



Terminal No.	Color of Wire	Signal Name [Specification]
9	-	-
12	-	-

Connector No.	M302
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACAR2FY-2V



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

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SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:000000004496628

1. CHECK SELF DIAGNOSIS RESULT

Perform "AIR BAG" Self Diagnostic Result with CONSULT-III.

Is DTC detected?

YES >> Repair or replace the malfunctioning parts. Refer to [SRC-151. "DTC Index"](#).

NO >> GO TO 2.

2. CHECK AIR BAG FUSE

Check 10A fuse [No.2, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace the fuse.

3. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace harness connectors.

4. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace wiring harness.

5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

2. Check air bag warning lamp operation.

Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 1.

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:000000004496629

1.CHECK METER FUSE

Check 10A fuse [No.4, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the fuse.

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace harness connectors.

3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace wiring harness.

4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

2. Check air bag warning lamp operation.

Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 1.

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PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000004496630

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

- 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 AIR BAG".
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

Service

INFOID:000000004496631

- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more.
For approximately 3 minutes after the battery negative terminal is removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, do not work on any SRS connectors or wires until 3 minutes or more elapse.
- Diagnosis sensor unit must always be installed with their arrow marks "⇐" pointing towards the front of the vehicle for normal operation. Also check diagnosis sensor unit for cracks, deformities, or rust before installation and replace if necessary.
- 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.
- Perform self-diagnosis to check entire SRS for normal function after replacing any components.
- After air bag inflates, the front instrument panel assembly must be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.

Occupant Classification System Precaution

INFOID:000000004496632

Replace Occupant Classification System control unit and passenger front seat cushion as an assembly. Refer to [SE-27, "Removal and Installation"](#).

PRECAUTIONS

< PRECAUTION >

Precaution for Battery Service

INFOID:000000004688912

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

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