

# SECTION SRC

## SRS AIRBAG CONTROL SYSTEM

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## **DIAGNOSIS AND REPAIR WORK FLOW**

## < BASIC INSPECTION >

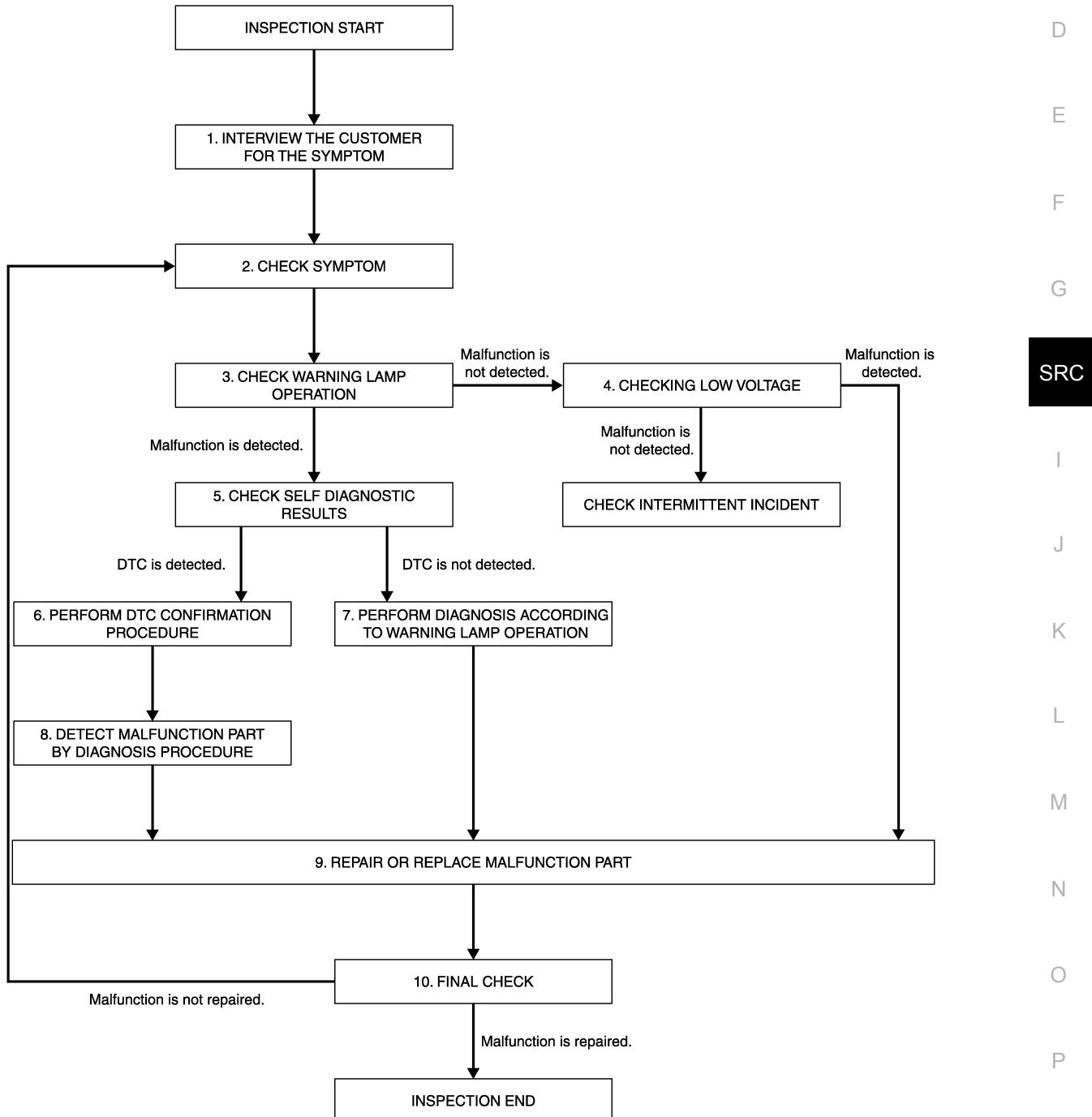
# **BASIC INSPECTION**

# DIAGNOSIS AND REPAIR WORK FLOW

## Work Flow

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## OVERALL SEQUENCE



## DETAILED FLOW

# 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, "On Board Diagnosis Function"](#).

Are any malfunction detected?

YES >> GO TO 5.

NO >> GO TO 4.

## 4. CHECK LOW VOLTAGE

Check low voltage. Refer to [PG-3, "How to Handle Battery"](#).

Are any malfunction detected?

YES >> GO TO 9.

NO >> Check intermittent incident. Refer to [GI-42, "Intermittent Incident"](#).

## 5. CHECK SELF DIAGNOSTIC RESULTS

Check self diagnostic result with CONSULT or diagnosis mode.

If it is impossible to switch to diagnosis mode, follow the same procedure that DTC is not detected.

### NOTE:

Perform the following procedure if DTC is detected.

- Record DTC (Print them out with CONSULT.)
- 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, "On Board Diagnosis Function"](#).
2. Perform Diagnosis Procedure for the air bag warning lamp operation. Refer to [SRC-14, "On Board Diagnosis Function"](#) (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

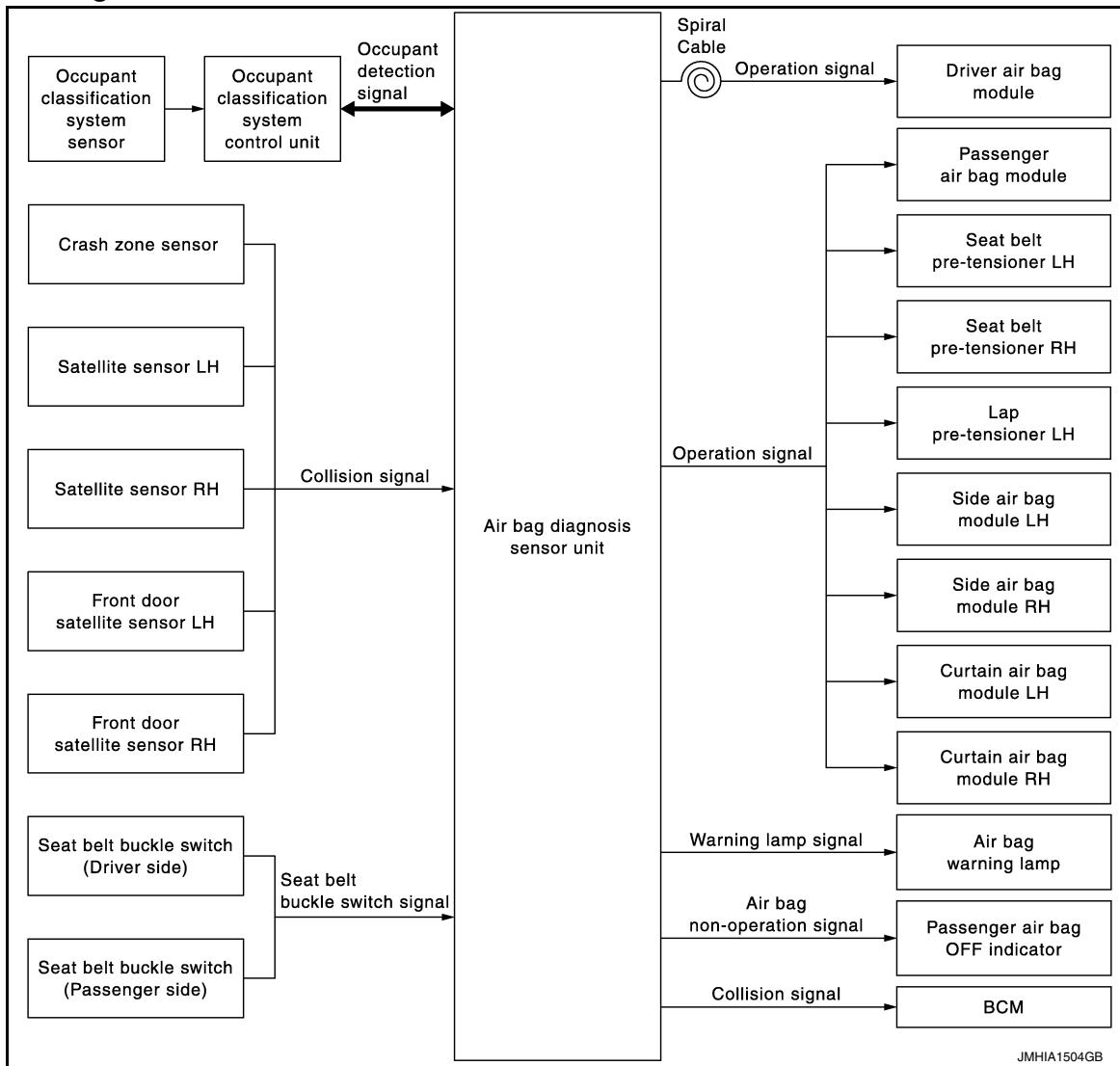
< SYSTEM DESCRIPTION >

## SYSTEM DESCRIPTION

### SRS AIR BAG SYSTEM

#### System Diagram

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#### NOTE:

BCM is not applicable.

#### System Description

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

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

This SRS Air Bag System has the following functions.

- Detects a collision and supplies the energy for deploying air bag and seat belt pre-tensioner.
- Detects electrical malfunction in SRS Air Bag System and Seat Belt Pre-tensioner System, records malfunction code, and blinking air bag warning lamp.
- Detects and records the deployment of air bag and seat belt pre-tensioner, and turns ON air bag warning lamp.

# SRS AIR BAG SYSTEM

## < SYSTEM DESCRIPTION >

- Indicates malfunctioning portion with blinking times of air bag warning lamp in diagnosis mode.
- Indicates the malfunction record by CONSULT.
- Suppress the deployment of front passenger air bag when front passenger seat is empty or is occupied by a child or a child-seat.
- When passenger seat is occupied by a child or a child seat, turns ON front 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.

## COLLISION MODE

- The operation of supplemental restraint system is different depending on the collision modes applications. For example, the driver air bag module, front passenger air bag module and front seat belt pre-tensioner are activated in a frontal collision but not in a side collision.
- SRS configurations that are activated for some collision modes are as per the following.

SRS configuration	Frontal collision	Rear collision	Left side collision	Right side collision	Roll over
Driver air bag module	×	—	—	—	—
Front passenger air bag module	×	—	—	—	—
Front LH seat belt pre-tensioner	×	—	×	—	×
Front RH seat belt pre-tensioner	×	—	—	×	×
Front LH side air bag module	—	—	×	—	—
Front RH side air bag module	—	—	—	×	—
LH side curtain air bag module	—	—	×	—	×
RH side curtain air bag module	—	—	—	×	×
Collision detection output function	×	×	×	×	×

×: Apply

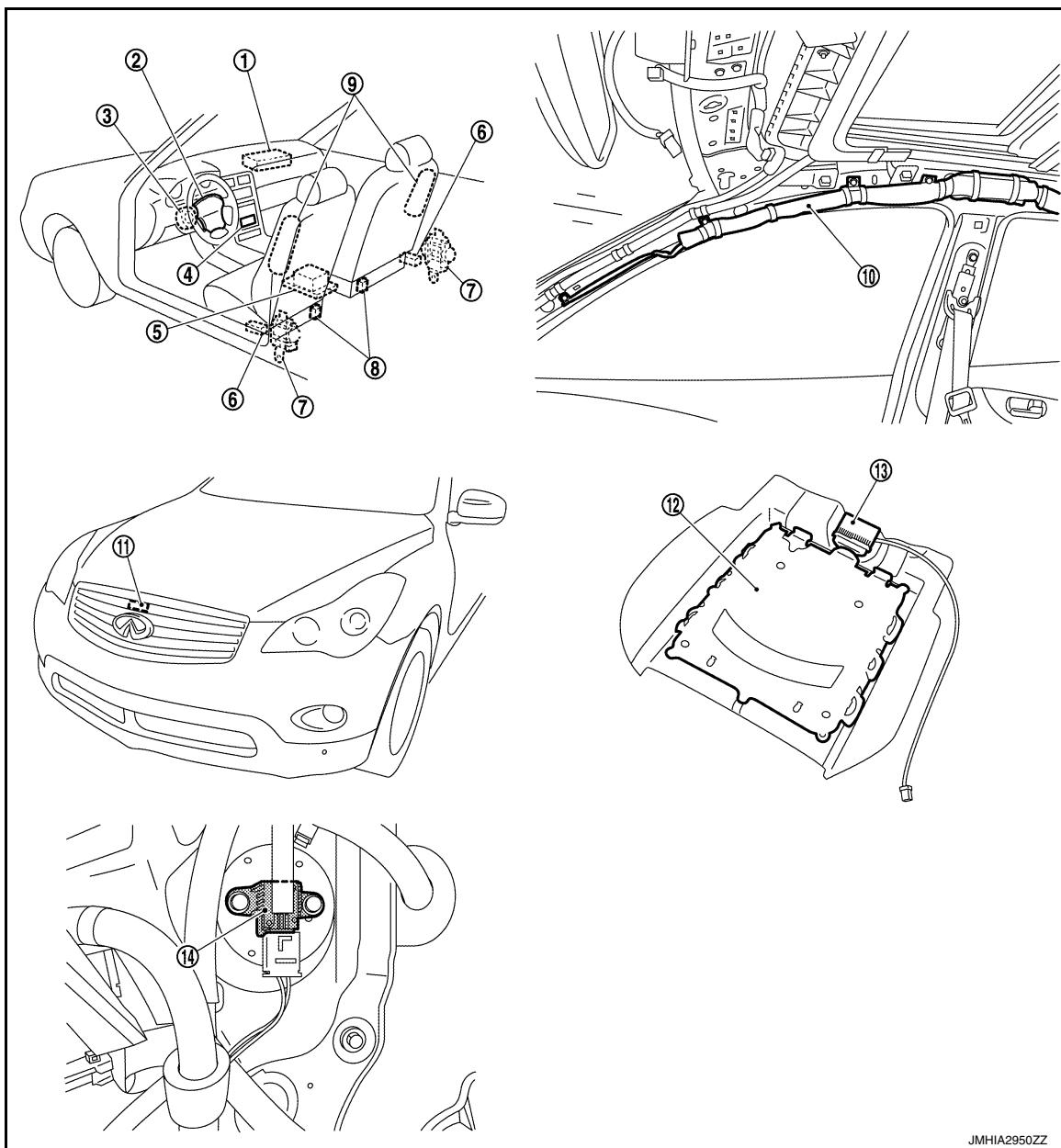
—: Not apply

# SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

## Component Parts Location

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

## Component Description

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# SRS AIR BAG SYSTEM

## < SYSTEM DESCRIPTION >

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 • Driver • Passenger • Front side • Side curtain	Receives signal from air bag diagnosis sensor unit and deploys air bag.
Front seat belt pre-tensioner	Receives signal from air bag diagnosis sensor unit and deploys pre-tensioner seat belt.
Seat belt buckle switch	Controls deployment timing depending on the seat belt condition that is fastened or unfastened.
Crash zone sensor	Transmits signal to air bag diagnosis sensor unit when a frontal collision occurs.
Front door satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.
Satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.
Occupant classification system	Detects front passenger seat occupant and judges whether or not deploys front passenger seat air bag.
Combination meter (air bag warning lamp)	Indicates air bag malfunctioning and deployment by blinking and illuminating air bag warning lamp.
Front passenger air bag OFF indicator	Indicates whether or not front passenger air bag is in activation mode subject to the judgement by 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

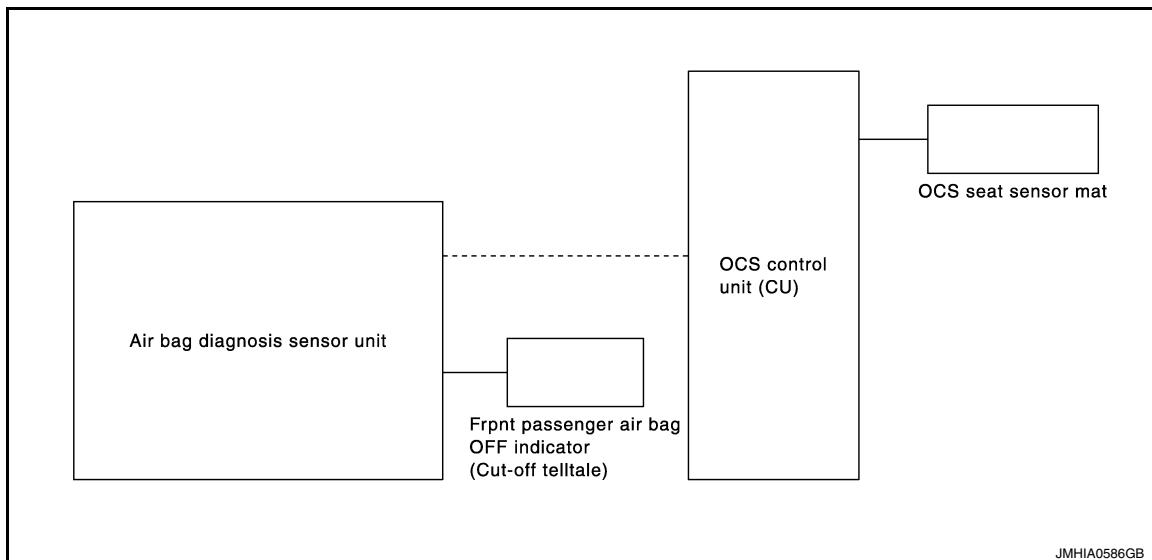
< SYSTEM DESCRIPTION >

## OCCUPANT CLASSIFICATION SYSTEM

### System Diagram

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### OCCUPANT CLASSIFICATION SYSTEM



### System Description

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#### THIS OCCUPANT CLASSIFICATION SYSTEM HAS THE FOLLOWING FUNCTIONS

1. Suppress 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.
2. Indicates malfunction portion with blinking times of air bag warning lamp in diagnosis mode.
3. Indicates the malfunctioning record by CONSULT.

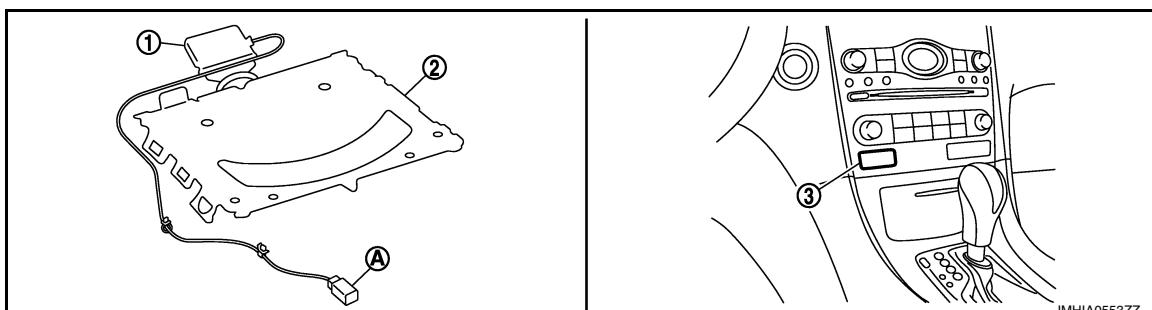
#### NOTE:

Operation of air bag diagnosis sensor unit when air bag diagnosis sensor unit receives information from occupant classification system.

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

### Component Parts Location

INFOID:0000000012172775



# OCCUPANT CLASSIFICATION SYSTEM

## < SYSTEM DESCRIPTION >

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

## Component Description

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Component parts	Outline of function
Seat sensor mat	Detects if the passenger seat is empty or occupied
Occupant classification system control unit	Transmits the passenger seat status (occupied or empty) to air bag diagnosis sensor unit
Front passenger air bag OFF indicator	Turns the front passenger air bag OFF indicator lamp ON when the front passenger seat is occupied by a child or a child-seat
Air bag diagnosis sensor unit	Performs the deploy judgement of passenger air bag based on the information from occupant classification system control unit

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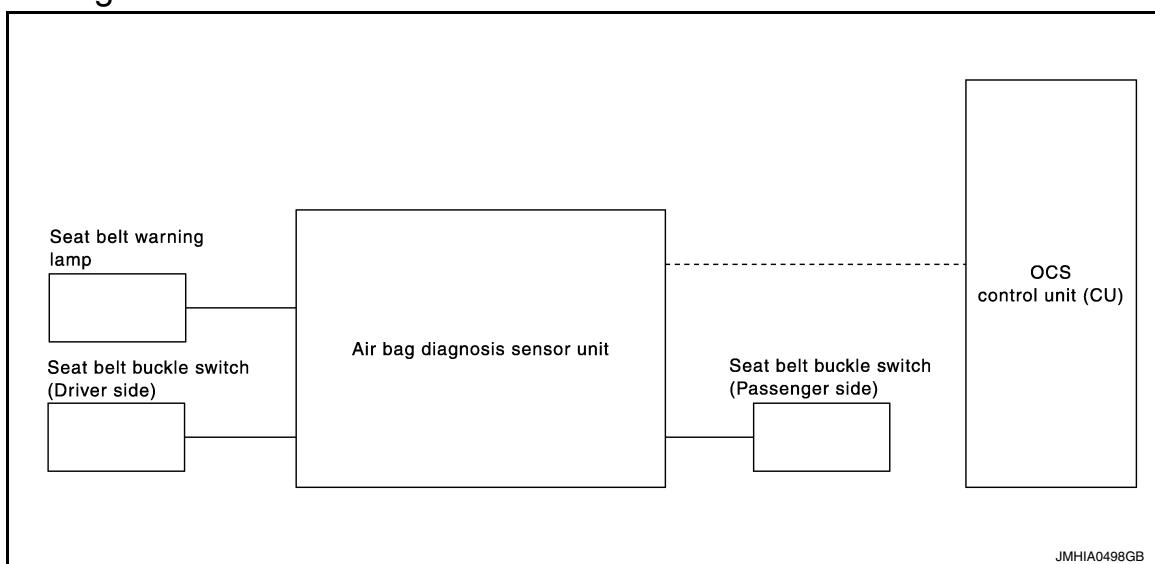
# PASSENGER SEAT BELT WARNING SYSTEM

< SYSTEM DESCRIPTION >

## PASSENGER SEAT BELT WARNING SYSTEM

### System Diagram

INFOID:0000000012172777



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### System Description

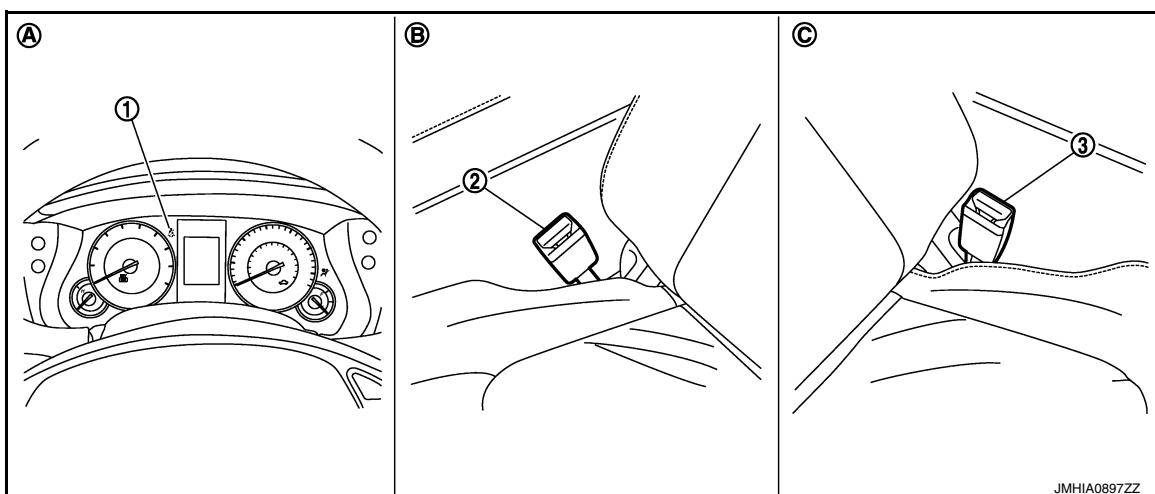
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- Turns ON seat belt warning lamp, when the occupant classification system judges adult or child in the front passenger seat and the passenger seat belt buckle switch is OFF.
- Operation of air bag diagnosis sensor unit when air bag diagnosis sensor unit receives information from occupant classification system.
- In addition, seat belt warning lamp illuminates, when the driver side seat belt is not fasten. This does not relate to the air bag diagnosis sensor unit.

Status (front passenger seat)	Seat belt warning lamp (When front passenger seat is unbuckled)
Empty	OFF
Child/ child-seat	ON
Adult	ON
Malfunction	OFF

### Component Parts Location

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# PASSENGER SEAT BELT WARNING SYSTEM

## < SYSTEM DESCRIPTION >

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

## Component Description

INFOID:000000012172780

Component parts	Outline of function
Seat belt buckle switch (Driver side)	Detects if the seat belt buckle switch (driver side) is fastened or unfastened
Seat belt buckle switch (Passenger side)	Detects if the seat belt buckle switch (passenger side) is fastened or unfastened
Seat belt warning lamp	Turns the seat belt warning lamp ON when the seat belt is unfastened
Occupant classification system control unit	Judges the passenger seat condition based on the information from occupant classification system control unit
Seat sensor mat	Detects if the passenger seat is empty or occupied
Air bag diagnosis sensor unit	Turns ON seat belt warning lamp based on the information from occupant classification system control unit
Front passenger air bag OFF indicator	Turns the front passenger air bag OFF indicator lamp ON when the front passenger seat is occupied by a child or a chile seat

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# DIAGNOSIS SYSTEM (AIRBAG)

< SYSTEM DESCRIPTION >

## DIAGNOSIS SYSTEM (AIRBAG)

### Description

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#### 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-diagnostic results can be read with air bag warning lamp and/or CONSULT.
- The user mode is exclusively prepared for the customer (driver). This mode warns the driver of a system malfunction through the operation of the air bag warning lamp.
- The diagnosis mode allows the technician to locate and inspect the malfunctioning part.
- The mode applications for the air bag warning lamp and CONSULT are as per the following items.

×: Application, —: Not application

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

### On Board Diagnosis Function

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#### ON-BOARD DIAGNOSIS

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

- USER MODE
- DIAGNOSIS MODE

#### METHOD OF STARTING

- User mode is a mode for ordinary use. When a malfunction of SRS air bag is detected, SRS air bag warning lamp blinks to warn the user.
- Diagnosis mode enables malfunctioning system to be checked according to the number of blinks.
- User mode or Diagnosis mode changes from diagnosis mode when changing operation is performed.
- In user mode, when SRS air bag warning lamp is not blinking, changing to diagnosis mode by ignition switch operation is not possible.
- In diagnosis mode, SRS air bag warning lamp may turn ON after ignition switch operation more than 7 seconds, but it is possible to change the status from diagnosis mode to user mode by ignition switch operation after 7 seconds.
- When multiple systems malfunction is detected, all of the malfunctions are displayed in Diagnosis mode.

#### Procedure to Change Diagnosis Mode

1. Turn ignition switch from OFF to ON.
2. SRS air bag lamp turns ON for 7 seconds, then turn ignition switch OFF within 2 seconds after the lamp turns OFF.
3. After turning ignition switch OFF, wait for 3 seconds or more.
4. Repeat operation 1 to 3 for 2 times so that operation 1 to 3 is repeated for 3 times in total.
5. Turn ignition switch from OFF to ON. Diagnosis mode changes.

#### CAUTION:

- In Diagnosis mode, if the system is normal and “PAST” of “Self Diagnostic Result” is indicated, always perform “ERASE” of “Self Diagnostic Result” using CONSULT.
- When “ERASE” of “Self Diagnostic Result” is performed using CONSULT, the mode changes automatically from Diagnosis mode to User mode.

#### 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

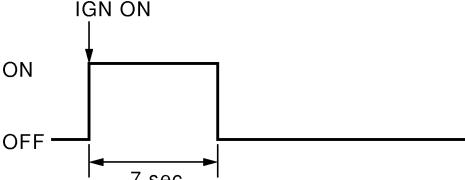
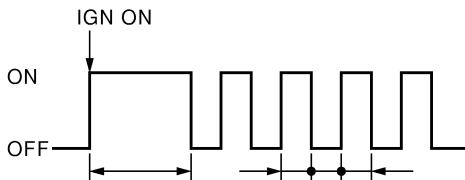
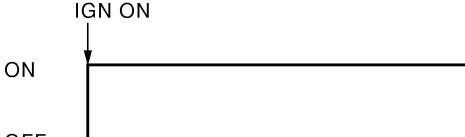
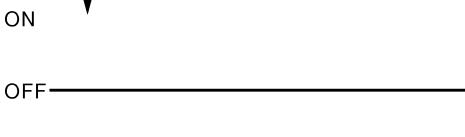
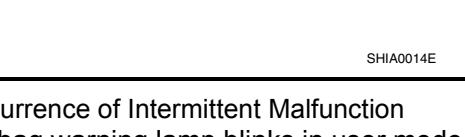
1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp blinks.

# DIAGNOSIS SYSTEM (AIRBAG)

## < SYSTEM DESCRIPTION >

2. Compare the air bag warning lamp blinking pattern with the examples.

### Air Bag Warning Lamp Examples

Air bag warning lamp operation (user mode)	SRS condition	Reference item
 IGN ON	<ul style="list-style-type: none"> <li>• No malfunction is detected</li> <li>• No further action is necessary</li> </ul>	-
 IGN ON	<ul style="list-style-type: none"> <li>• Air bag diagnosis sensor unit is malfunctioning</li> <li>• Each sensor is malfunctioning</li> <li>• Each module is malfunctioning</li> </ul>	Refer to "How to Read Air Bag Warning Lamp"
 IGN ON	<ul style="list-style-type: none"> <li>• Air bag is deployed</li> <li>• Seat belt pre-tensioner is deployed</li> </ul>	Refer to SRC-64, "Diagnosis Procedure", SRC-65, "Diagnosis Procedure"
 IGN ON	<ul style="list-style-type: none"> <li>• Air bag diagnosis sensor unit is malfunctioning</li> <li>• Air bag power supply circuit is malfunctioning</li> <li>• Air bag warning lamp circuit is malfunctioning</li> <li>• Combination meter is malfunctioning</li> </ul>	Refer to SRC-90, "Diagnosis Procedure"
 IGN ON	Battery voltage is low (less than 9 V) or high battery voltage (more than 16 V)	Check Battery Voltage. Refer to PG-3, "How to Handle Battery"
 IGN ON	Occupant system is malfunctioning	Refer to "How to Read Air Bag Warning Lamp"
 IGN ON	<ul style="list-style-type: none"> <li>• Air bag diagnosis sensor unit is malfunctioning</li> <li>• Air bag warning lamp circuit is malfunctioning</li> <li>• Combination meter is malfunctioning</li> </ul>	Refer to SRC-91, "Diagnosis Procedure"

### Occurrence of Intermittent Malfunction

Air bag warning lamp blinks in user mode when an intermittent malfunction occurs. Air bag warning lamp turns OFF when system returns to normal status.

### Battery Low Voltage Detection

# DIAGNOSIS SYSTEM (AIRBAG)

## < SYSTEM DESCRIPTION >

Air bag diagnosis sensor unit warns the driver by turning air bag warning lamp ON when air bag diagnosis sensor unit detects battery low voltage. Air bag warning lamp turns ON when a voltage value at which air bag diagnosis sensor unit cannot operate normally (9 V or less) is detected for 10 seconds or more. After starting to turn ON, air bag warning lamp turns OFF when air bag diagnosis sensor unit detects the normal value of battery voltage for 10 seconds or more.

The mode cannot be switched to diagnosis mode by ignition switch while air bag warning lamp turns ON due to this cause.

### Battery High Voltage Detection

Air bag diagnosis sensor unit warns the driver by turning air bag warning lamp ON when air bag diagnosis sensor unit detects battery low voltage. Air bag warning lamp turns ON when a voltage value at which air bag diagnosis sensor unit cannot operate normally (16 V or more) is detected for 3 seconds or more. After starting to turn ON, air bag warning lamp turns OFF when air bag diagnosis sensor unit detects the normal value of battery voltage for 3 seconds or more.

The mode cannot be switched to diagnosis mode by ignition switch while air bag warning lamp turns ON due to this cause.

### 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

1. Follow the procedures of "PROCEDURE TO CHANGE DIAGNOSIS MODE", and switch to the diagnosis mode.
2. Turn ignition switch ON. Check the blinking pattern of air bag warning lamp.  
There are 4 blinking patterns for the air bag warning lamp as per the following items.
  - Front air bag system: Two 1.5 second blinks followed by a 0.5 second blink repeated.
  - Side air bag system: Three 1.5 second blinks followed by a 0.5 second blink repeated.
  - Air bag control unit system: 3 second blink followed by a 0.5 second blink repeated.
  - Sensor system: Two 3 second blinks followed by a 0.5 second blink repeated.

#### Front air bag system

Number of 0.5 second blinks	Malfunctioning items
1	Driver air bag module
2	Passenger air bag module
3	Seat belt pre-tensioner LH
4	Seat belt pre-tensioner RH

#### Side air bag system

Number of 0.5-second blinks	Malfunctioning items
1	Side air bag module LH
2	Side air bag module RH
3	Curtain air bag module LH
4	Curtain air bag module RH

#### Air bag control unit system

Number of 0.5 second blinks	Malfunctioning items
1	Collision detection
2	Air bag diagnosis sensor unit
3	Front passenger air bag indicator
4	Occupant classification system control unit

#### Sensor system

Number of 0.5 second blinks	Malfunctioning items
1	Crash zone sensor
2	Satellite sensor LH
3	Satellite sensor RH
6	Front door satellite sensor LH or RH

# DIAGNOSIS SYSTEM (AIRBAG)

## < SYSTEM DESCRIPTION >

Number of 0.5 second blinks	Malfunctioning items
7	Front door satellite sensor RH
12	Satellite sensor

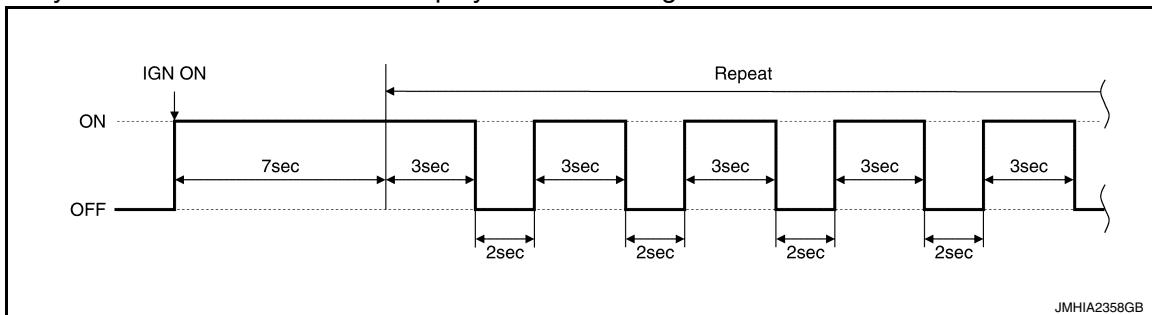
### How to Erase Self-diagnostic Result

After completing the indicated repair, check the system condition in Diagnosis mode and perform "ERASE" of "Self Diagnostic Result" using CONSULT.

### EXAMPLE OF AIR BAG WARNING LAMP OPERATION IN THE DIAGNOSIS MODE

#### System Normal

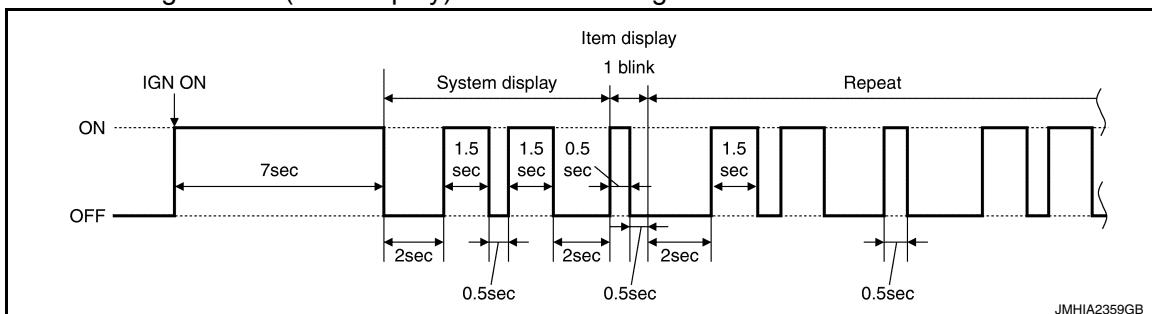
When the system is normal and "PAST" displayed in "Self Diagnostic Result".



#### Single System Malfunction

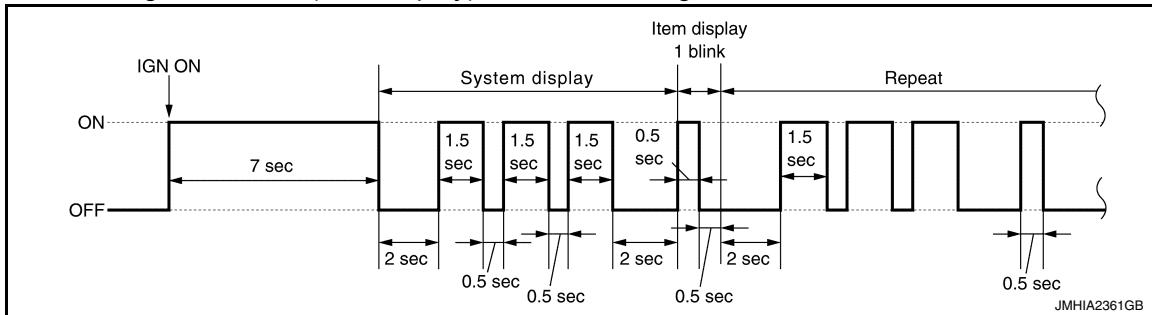
- Front air bag system

When driver air bag module (Item display) is malfunctioning.



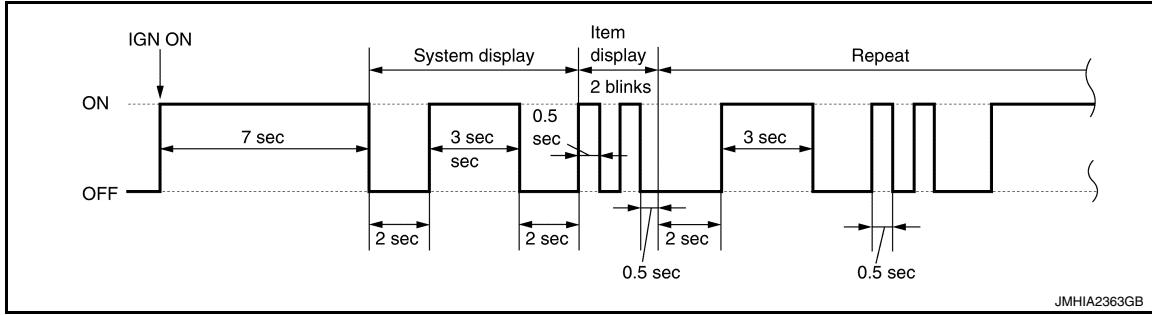
- Side air bag system

When side air bag module LH (Item display) is malfunctioning.



- Air bag control unit system

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

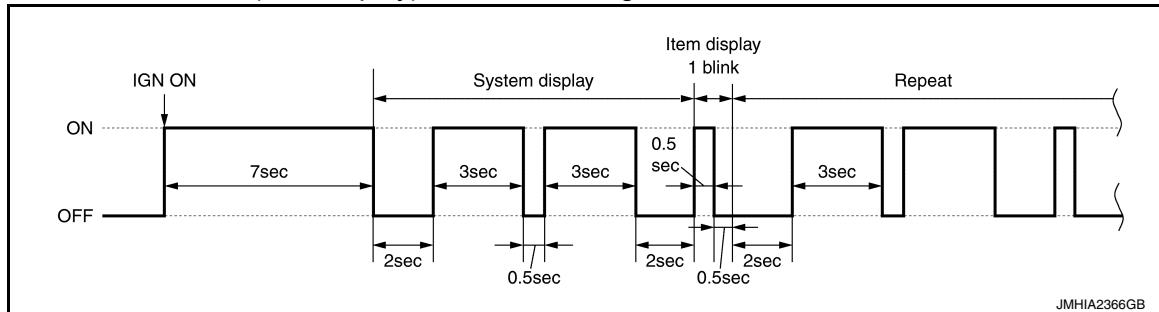


- Sensor system

## **DIAGNOSIS SYSTEM (AIRBAG)**

## < SYSTEM DESCRIPTION >

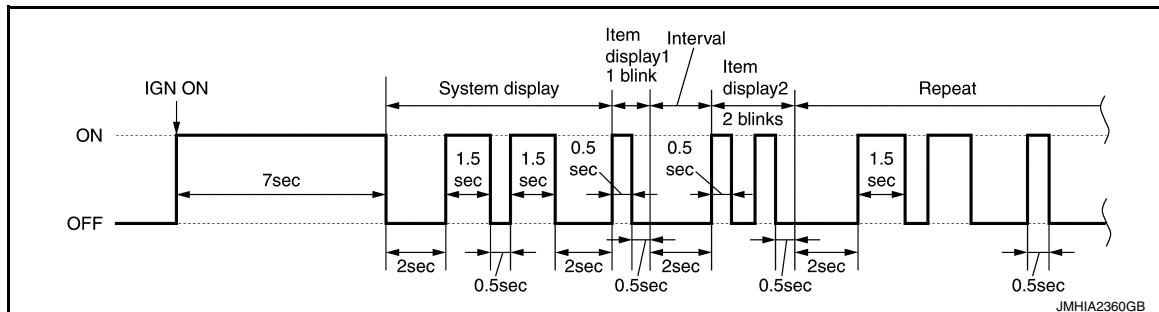
When crash zone sensor (Item display) is malfunctioning.



## Multiple Systems Malfunction

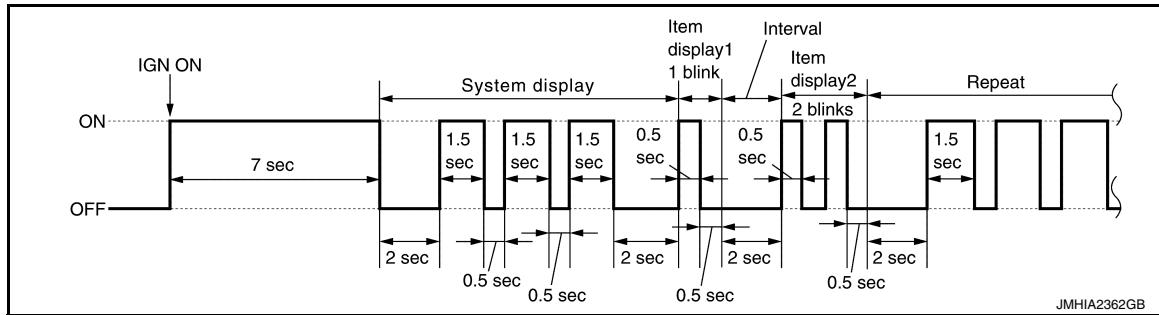
- Front air bag system

When driver air bag module (Item display 1) and passenger air bag module (Item display 2) are malfunctioning.



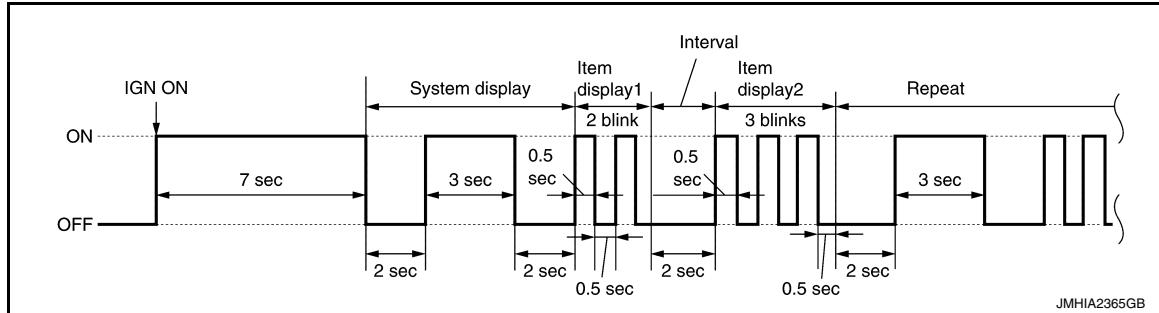
- Side air bag system

When side air bag module LH (Item display 1) and side air bag module LH (Item display 2) are malfunctioning.



- Air bag control unit system

When air bag diagnosis sensor unit (Item display 1) and front passenger air bag indicator (Item display 2) are malfunctioning.

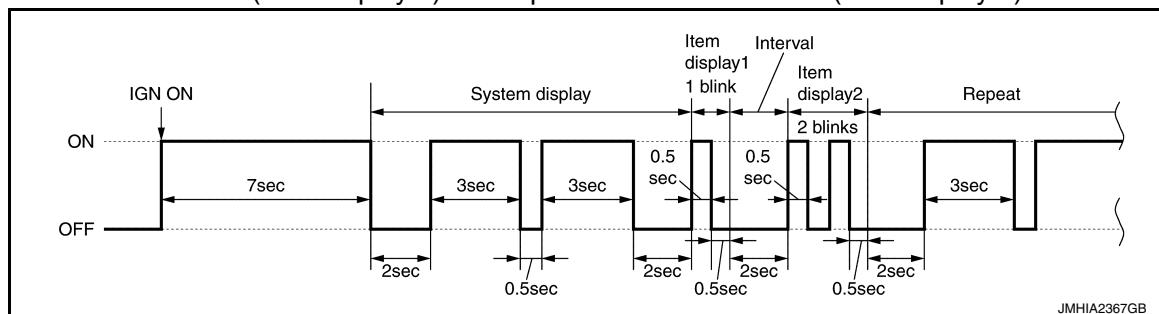


- Sensor system

# DIAGNOSIS SYSTEM (AIRBAG)

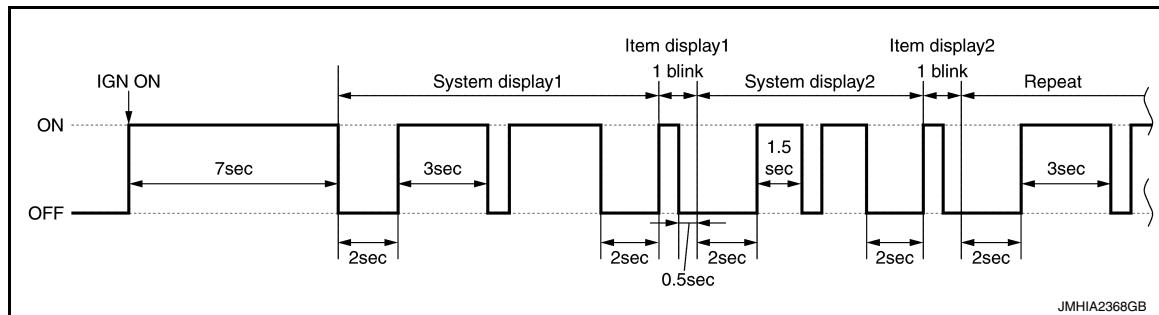
## < SYSTEM DESCRIPTION >

When crash zone sensor (Item display 1) and B-pillar satellite sensor LH (Item display 2) are malfunctioning.



- Sensor system and front air bag system

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



## CONSULT Function

INFOID:000000012172783

SRC

### APPLICATION ITEM

CONSULT performs the following functions.

Diagnosis mode	Description
Self Diagnostic Result	<ul style="list-style-type: none"> <li>Self-diagnosis result is displayed.</li> <li>"No DTC" is displayed when repair is completed by part replacement or other operations.</li> <li>"SELF-DIAG RESULT [MEMORY]" is displayed until "Erase" performed.</li> </ul>
Data Monitor	This item is displayed, but cannot be supported.
ECU Identification	Air bag diagnosis sensor unit ECU discriminated number (identification number) or part number is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) or part number based on model and equipment.
TROUBLE DIAG RECORD	With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on CONSULT screen.

### SELF-DIAG RESULT

Refer to [SRC-75, "DTC Index"](#).

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< DTC/CIRCUIT DIAGNOSIS >

## DTC/CIRCUIT DIAGNOSIS

### U1000 CAN COMM CIRCUIT

#### Description

INFOID:0000000012172784

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.

CAN Communication Signal Chart. Refer to [LAN-27, "CAN System Specification Chart"](#).

#### DTC Logic

INFOID:0000000012172785

#### DTCT DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC Detection Condition	Possible cause
U1000-01	CAN COMM CIRCUIT (CAN communication circuit)	When air bag diagnosis sensor unit cannot communicate CAN communication signal continuously for 2 seconds or more.	CAN communication system

#### Diagnosis Procedure

INFOID:0000000012172786

##### 1. PERFORM SELF DIAGNOSTIC

1. Turn ignition switch ON and wait for 2 seconds or more.
2. Check "SELF-DIAG RESULT [CAN]".

##### Is DTC "U1000-01" displayed?

- YES    >> Refer to [LAN-18, "Trouble Diagnosis Flow Chart"](#).  
NO     >> Refer to [GI-42, "Intermittent Incident"](#).

# U1010 CONTROL UNIT (CAN)

< DTC/CIRCUIT DIAGNOSIS >

## U1010 CONTROL UNIT (CAN)

### DTC Logic

INFOID:000000012172787

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC Detection Condition	Possible cause
U1010-49	CONTROL UNIT (CAN) [Control unit (CAN)]	Air bag diagnosis sensor unit detected internal CAN communication circuit malfunction.	Air bag diagnosis sensor unit

### Diagnosis Procedure

INFOID:000000012172788

#### 1. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

When DTC "U1010-49" is detected, replace Air bag diagnosis sensor unit.

>> Replace Air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).

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# B0001 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0001 DRIVER AIR BAG MODULE

### DTC Logic

INFOID:0000000012172789

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0001-00	DRIVER AIRBAG MODULE [Driver Frontal Stage 1 Deployment Control (Subfault)]	[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)
B0001-09		[SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)
B0001-11		[GND-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)
B0001-12		[VB-SHORT]	Driver air bag module circuit is open (including the spiral cable)
B0001-13		[OPEN]	Driver air bag module circuits are shorted to each other (including the spiral cable)
B0001-1A		[SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

#### 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-22, "Diagnosis Procedure"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:0000000012172790

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)

# B0001 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

- 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 DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0001-13]>>GO TO 4.

[B0001-12]>>GO TO 8.

[B0001-11]>>GO TO 5.

[B0001-00, B0001-09, B0001-1A]>> GO TO 6.

## 4.CHECK SPIRAL CABLE CIRCUIT 1

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

SRC

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

Is the inspection result normal?

YES >> GO TO 9.

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

## 5.CHECK SPIRAL CABLE CIRCUIT 2

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

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

Is the inspection result normal?

YES >> GO TO 9.

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

# B0001 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## 6.CHECK SPIRAL CABLE CIRCUIT 3

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

Combination switch (spiral cable)			Continuity
Connector	Terminal		
M302	10	11	Not existed
M301	9	12	

Is the inspection result normal?

YES >> GO TO 7.

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

## 7.CHECK SPIRAL CABLE CIRCUIT 4

Check continuity between combination switch (spiral cable) terminals.

Combination switch (spiral cable)			Continuity
Connector	Terminal		
M35	28	30	Not existed
	29		

Is the inspection result normal?

YES >> GO TO 9.

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

## 8.REPLACE COMBINATION SWITCH (SPIRAL CABLE)

1. Replace combination switch (spiral cable). Refer to [SR-14, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-22, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 9.

NO >> INSPECTION END

## 9.REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-11, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-22, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 10.

NO >> INSPECTION END

## 10.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-22, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B0002 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0002 DRIVER AIR BAG MODULE

### DTC Logic

INFOID:0000000012172791

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0002-00	DRIVER AIRBAG MODULE 2 [Driver Frontal Stage 2 Deployment Control (Subfault)]	[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)	• Connection malfunction or short circuit of harness and connector • Internal malfunction of driver air bag module • Internal malfunction of air bag diagnosis sensor unit
B0002-09		[SHORT]		
B0002-11		[GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	• Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of driver air bag module • Internal malfunction of air bag diagnosis sensor unit
B0002-12		[VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)	• Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of driver air bag module • Internal malfunction of air bag diagnosis sensor unit
B0002-13		[OPEN]	Driver air bag module circuit is open (including the spiral cable)	• Connection malfunction or open circuit of harness and connector • Internal malfunction of driver air bag module • Internal malfunction of air bag diagnosis sensor unit
B0002-1A		[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)	• Connection malfunction or short circuit of harness and connector • Internal malfunction of driver air bag module • Internal malfunction of air bag diagnosis sensor unit

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

##### With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

##### Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

##### **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:0000000012172792

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait 3 minutes or more. (To discharge backup capacitor.)

# B0002 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

- 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 DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0002-13]>>GO TO 4.

[B0002-12]>>GO TO 8.

[B0002-11]>>GO TO 5.

[B0002-00, B0002-09, B0002-1A]>> GO TO 6.

## 4.CHECK SPIRAL CABLE CIRCUIT 1

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

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

Is the inspection result normal?

YES >> GO TO 9.

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

## 5.CHECK SPIRAL CABLE CIRCUIT 2

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

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

Is the inspection result normal?

YES >> GO TO 9.

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

## B0002 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

### 6.CHECK SPIRAL CABLE CIRCUIT 3

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

Combination switch (spiral cable)			Continuity
Connector	Terminal		
M302	10	11	Not existed
M301	9	12	

Is the inspection result normal?

YES >> GO TO 7.

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

### 7.CHECK SPIRAL CABLE CIRCUIT 4

Check continuity between combination switch (spiral cable) terminals.

Combination switch (spiral cable)			Continuity
Connector	Terminal		
M35	28	30	Not existed
	29		

Is the inspection result normal?

YES >> GO TO 9.

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

### 8.REPLACE COMBINATION SWITCH (SPIRAL CABLE)

1. Replace combination switch (spiral cable). Refer to [SR-14, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-25, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 9.

NO >> INSPECTION END

### 9.REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to [SR-11, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-25, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 10.

NO >> INSPECTION END

### 10.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-25, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B0010 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0010 PASSENGER AIR BAG MODULE

### DTC Logic

INFOID:000000012172793

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0010-09	ASSIST A/B MODULE [Passenger Frontal Stage 1 Deployment Control (Sub-fault)]	[SHORT]	Passenger air bag module circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of passenger air bag module</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0010-11		[GND-SHORT]	Passenger air bag module circuit is shorted to ground	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to ground of harness and connector</li><li>• Internal malfunction of passenger air bag module</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0010-12		[VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to power supply of harness and connector</li><li>• Internal malfunction of passenger air bag module</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0010-13		[OPEN]	Passenger air bag module circuit is open	<ul style="list-style-type: none"><li>• Connection malfunction or open circuit of harness and connector</li><li>• Internal malfunction of passenger air bag module</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0010-1A		[SHORT]	Passenger air bag module circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of passenger air bag module</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

##### With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

##### Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

##### **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-28, "Diagnosis Procedure"](#).  
NO      >> INSPECTION END

### Diagnosis Procedure

INFOID:000000012172794

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)

# B0010 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

- 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 PASSENGER AIR BAG MODULE

1. Replace passenger air bag module. Refer to [SR-17, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-28, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-28, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B0011 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0011 PASSENGER AIR BAG MODULE

### DTC Logic

INFOID:000000012172795

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0011-09	ASSIST A/B MODULE 2 [Passenger Frontal Stage 2 Deployment Control (Sub-fault)]	[SHORT]	Passenger air bag module circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of passenger air bag module</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0011-11		[GND-SHORT]	Passenger air bag module circuit is shorted to ground	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to ground of harness and connector</li><li>• Internal malfunction of passenger air bag module</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0011-12		[VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to power supply of harness and connector</li><li>• Internal malfunction of passenger air bag module</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0011-13		[OPEN]	Passenger air bag module circuit is open	<ul style="list-style-type: none"><li>• Connection malfunction or open circuit of harness and connector</li><li>• Internal malfunction of passenger air bag module</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0011-1A		[SHORT]	Passenger air bag module circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of passenger air bag module</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

**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-30, "Diagnosis Procedure"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:000000012172796

**WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)

# B0011 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

- 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 PASSENGER AIR BAG MODULE

1. Replace passenger air bag module. Refer to [SR-17, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-30, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-30, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B0020 SIDE AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0020 SIDE AIR BAG MODULE

### DTC Logic

INFOID:0000000012172797

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0020-09	SIDE A/B MODULE LH [Left Side Airbag Deployment Control (Subfault)]	[SHORT]	Side air bag module LH circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of side air bag module LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0020-11		[GND-SHORT]	Side air bag module LH circuit is shorted to ground	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to ground of harness and connector</li><li>• Internal malfunction of side air bag module LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0020-12		[VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to power supply of harness and connector</li><li>• Internal malfunction of side air bag module LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0020-13		[OPEN]	Side air bag module LH circuit is open	<ul style="list-style-type: none"><li>• Connection malfunction or open circuit of harness and connector</li><li>• Internal malfunction of side air bag module LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0020-1A		[SHORT]	Side air bag module LH circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of side air bag module LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

#### 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-32, "Diagnosis Procedure"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:0000000012172798

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)

## B0020 SIDE AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

- 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 SIDE AIR BAG MODULE

1. Replace side air bag module LH. Refer to [SE-132, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-32, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-32, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B0021 CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0021 CURTAIN AIR BAG MODULE

### DTC Logic

INFOID:0000000012172799

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0021-09	CURTAIN A/B MODULE LH [Left Curtain Deployment Control 1 (Subfault)]	[SHORT]	Curtain air bag module LH circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of curtain air bag module LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0021-11		[GND-SHORT]	Curtain air bag module LH circuit is shorted to ground	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to ground of harness and connector</li><li>• Internal malfunction of curtain air bag module LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0021-12		[VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuit	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to power supply of harness and connector</li><li>• Internal malfunction of curtain air bag module LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0021-13		[OPEN]	Curtain air bag module LH circuit is open	<ul style="list-style-type: none"><li>• Connection malfunction or open circuit of harness and connector</li><li>• Internal malfunction of curtain air bag module LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0021-1A		[SHORT]	Curtain air bag module LH circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of curtain air bag module LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

#### 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-34, "Diagnosis Procedure"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:0000000012172800

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)

# B0021 CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

- 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 CURTAIN AIR BAG MODULE

1. Replace curtain air bag module LH. Refer to [SR-19, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-34, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## 4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-34, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B0028 SIDE AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0028 SIDE AIR BAG MODULE

### DTC Logic

INFOID:0000000012172801

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0028-09	SIDE A/B MODULE RH [Right Side Airbag Deployment Control 1 (Subfault)]	[SHORT]	Side air bag module RH circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of side air bag module RH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0028-11		[GND-SHORT]	Side air bag module RH circuit is shorted to ground	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to ground of harness and connector</li><li>• Internal malfunction of side air bag module RH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0028-12		[VB-SHORT]	Side air bag module RH circuit is shorted to power supply circuit	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to power supply of harness and connector</li><li>• Internal malfunction of side air bag module RH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0028-13		[OPEN]	Side air bag module RH circuit is open	<ul style="list-style-type: none"><li>• Connection malfunction or open circuit of harness and connector</li><li>• Internal malfunction of side air bag module RH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0028-1A		[SHORT]	Side air bag module RH circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of side air bag module RH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

#### 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-36, "Diagnosis Procedure"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:0000000012172802

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)

# B0028 SIDE AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

- 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 SIDE AIR BAG MODULE

1. Replace side air bag module RH. Refer to [SE-132, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-36, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-36, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B0029 CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

## B0029 CURTAIN AIR BAG MODULE

### DTC Logic

INFOID:0000000012172803

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0029-09	CURTAIN A/B MODULE RH [Right Curtain Deployment Control 1 (Subfault)]	[SHORT]	Curtain air bag module RH circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of curtain air bag module RH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0029-11		[GND-SHORT]	Curtain air bag module RH circuit is shorted to ground	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to ground of harness and connector</li><li>• Internal malfunction of curtain air bag module RH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0029-12		[VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to power supply of harness and connector</li><li>• Internal malfunction of curtain air bag module RH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0029-13		[OPEN]	Curtain air bag module RH circuit is open	<ul style="list-style-type: none"><li>• Connection malfunction or open circuit of harness and connector</li><li>• Internal malfunction of curtain air bag module RH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0029-1A		[SHORT]	Curtain air bag module RH circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of curtain air bag module RH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

#### 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-38, "Diagnosis Procedure"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:0000000012172804

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)

# B0029 CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

- 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 CURTAIN AIR BAG MODULE

1. Replace curtain air bag module RH. Refer to [SR-19, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-38, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-38, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B0091 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

## B0091 SATELLITE SENSOR

### DTC Logic

INFOID:000000012172805

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0091-11	B-PILLAR SAT SEN LH [Left Side Restraints Sensor 1 ([Subfault])]	[GND-SHORT]	B-pillar satellite sensor LH circuit is shorted to ground <ul style="list-style-type: none"> <li>• Connection malfunction or short circuit to ground of harness and connector</li> <li>• Internal malfunction of B-pillar satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0091-23		[LOWER LIMIT ERR]	Lower limit value malfunction of B-pillar satellite sensor LH <ul style="list-style-type: none"> <li>• Internal malfunction of B-pillar satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0091-24		[UPPER LIMIT ERR]	Upper limit value malfunction of B-pillar satellite sensor LH <ul style="list-style-type: none"> <li>• Internal malfunction of B-pillar satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0091-25		[SELF-DIAG ERR]	Diagnosis malfunction of B-pillar satellite sensor LH <ul style="list-style-type: none"> <li>• Internal malfunction of B-pillar satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0091-28		[OFFSET ERR]	Offset malfunction of B-pillar satellite sensor LH <ul style="list-style-type: none"> <li>• Internal malfunction of B-pillar satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0091-81		[COMM ERR]	Communication malfunction of B-pillar satellite sensor LH <ul style="list-style-type: none"> <li>• Connection malfunction of harness or connector</li> <li>• Internal malfunction of B-pillar satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0091-86		[UNMATCH]	B-pillar satellite sensor LH is out of the specified specification <ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit and B-pillar satellite sensor LH is different from the part specified</li> </ul>
B0091-88		[OPEN]	B-pillar satellite sensor LH circuit is open <ul style="list-style-type: none"> <li>• Connection malfunction or open circuit of harness and connector</li> <li>• Internal malfunction of B-pillar satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0091-93		[RESET]	Reset malfunction of B-pillar satellite sensor LH <ul style="list-style-type: none"> <li>• Connection malfunction of harness or connector</li> <li>• Internal malfunction of B-pillar satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

 With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

# B0091 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

**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:0000000012172806

**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 DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0091-86]    >> GO TO 4.

Other than the above >> GO TO 2.

### 2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES    >> GO TO 3.

NO    >> Replace harness connector.

### 3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES    >> GO TO 4.

NO    >> Replace wiring harness.

### 4.REPLACE SATELLITE SENSOR

1. Replace B-pillar satellite sensor LH. Refer to [SR-23, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-40, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 5.

NO    >> INSPECTION END

### 5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-40, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 1.

NO    >> INSPECTION END

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# B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

## B0093 FRONT DOOR SATELLITE SENSOR LH

### DTC Logic

INFOID:000000012172807

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0093-11	DOOR SATEL SENS LH [Left Side Restraints Sensor 3 (Subfault)]	[GND-SHORT]	Front door satellite sensor LH circuit is shorted to ground <ul style="list-style-type: none"> <li>• Connection malfunction or short circuit to ground of harness and connector</li> <li>• Internal malfunction of front door satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0093-23		[LOWER LIMIT ERR]	Lower limit value malfunction of front door satellite sensor LH <ul style="list-style-type: none"> <li>• Internal malfunction of front door satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0093-24		[UPPER LIMIT ERR]	Upper limit value malfunction of front door satellite sensor LH <ul style="list-style-type: none"> <li>• Internal malfunction of front door satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0093-25		[SELF-DIAG ERR]	Diagnosis malfunction of front door satellite sensor LH <ul style="list-style-type: none"> <li>• Internal malfunction of front door satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0093-28		[OFFSET ERR]	Offset malfunction of front door satellite sensor LH <ul style="list-style-type: none"> <li>• Internal malfunction of front door satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0093-81		[COMM ERR]	Communication malfunction of front door satellite sensor LH <ul style="list-style-type: none"> <li>• Connection malfunction of harness or connector</li> <li>• Internal malfunction of front door satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0093-86		[UNMATCH]	Air bag diagnosis sensor unit and front door satellite sensor LH is different from the part specified <ul style="list-style-type: none"> <li>• Connection malfunction or open circuit of harness and connector</li> <li>• Internal malfunction of front door satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0093-88		[OPEN]	Front door satellite sensor LH circuit is open <ul style="list-style-type: none"> <li>• Connection malfunction of harness or connector</li> <li>• Internal malfunction of front door satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0093-93		[RESET]	Reset malfunction of front door satellite sensor LH <ul style="list-style-type: none"> <li>• Connection malfunction of harness or connector</li> <li>• Internal malfunction of front door satellite sensor LH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

 With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

# B0093 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

**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:0000000012172808

**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 DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0093-86]    >> GO TO 4.

Other than the above >> GO TO 2.

### 2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES    >> GO TO 3.

NO    >> Replace harness connector.

### 3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES    >> GO TO 4.

NO    >> Replace wiring harness.

### 4.REPLACE FRONT DOOR SATELLITE SENSOR LH

1. Replace front door satellite sensor LH. Refer to [SR-23, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-42, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 5.

NO    >> INSPECTION END

### 5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-42, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 1.

NO    >> INSPECTION END

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# B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

## B0094 CRASH ZONE SENSOR

### DTC Logic

INFOID:0000000012172809

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0094-11	CRASH ZONE SENS [Center Frontal Restraints Sensor (Subfault)]	[GND-SHORT]	Crash zone sensor circuit is shorted to ground <ul style="list-style-type: none"> <li>• Connection malfunction or short circuit to ground of harness and connector</li> <li>• Internal malfunction of Crash zone sensor</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0094-23		[LOWER LIMIT ERR]	Lower limit value malfunction of Crash zone sensor <ul style="list-style-type: none"> <li>• Internal malfunction of Crash zone sensor</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0094-24		[UPPER LIMIT ERR]	Upper limit value malfunction of Crash zone sensor <ul style="list-style-type: none"> <li>• Internal malfunction of Crash zone sensor</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0094-25		[SELF-DIAG ERR]	Diagnosis malfunction of Crash zone sensor <ul style="list-style-type: none"> <li>• Internal malfunction of Crash zone sensor</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0094-28		[OFFSET ERR]	Offset malfunction of Crash zone sensor <ul style="list-style-type: none"> <li>• Internal malfunction of Crash zone sensor</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0094-81		[COMM ERR]	Communication malfunction of Crash zone sensor <ul style="list-style-type: none"> <li>• Connection malfunction of harness or connector</li> <li>• Internal malfunction of Crash zone sensor</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0094-86		[UNMATCH]	Air bag diagnosis sensor unit and Crash zone sensor is different from the part specified <ul style="list-style-type: none"> <li>• Connection malfunction or open circuit of harness and connector</li> <li>• Internal malfunction of Crash zone sensor</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0094-88		[OPEN]	Crash zone sensor circuit is open <ul style="list-style-type: none"> <li>• Connection malfunction of harness or connector</li> <li>• Internal malfunction of Crash zone sensor</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0094-93		[RESET]	Reset malfunction of Crash zone sensor <ul style="list-style-type: none"> <li>• Connection malfunction of harness or connector</li> <li>• Internal malfunction of Crash zone sensor</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

 With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

# B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

**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:0000000012172810

**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 DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0094-86]    >> GO TO 4.

Other than the above >> GO TO 2.

### 2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES    >> GO TO 3.

NO    >> Replace harness connector.

### 3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES    >> GO TO 4.

NO    >> Replace wiring harness.

### 4.REPLACE CRASH ZONE SENSOR

1. Replace crash zone. Refer to [SR-21, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-44, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 5.

NO    >> INSPECTION END

### 5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-44, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 1.

NO    >> INSPECTION END

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# B0096 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

## B0096 SATELLITE SENSOR

### DTC Logic

INFOID:0000000012172811

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0096-11	B-PILLAR SAT SEN RH [Right Frontal Restraints Sensor 1(Subfault)]	[GND-SHORT]	B-pillar satellite sensor RH circuit is shorted to ground <ul style="list-style-type: none"> <li>• Connection malfunction or short circuit to ground of harness and connector</li> <li>• Internal malfunction of B-pillar satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0096-23		[LOWER LIMIT ERR]	Lower limit value malfunction of B-pillar satellite sensor RH <ul style="list-style-type: none"> <li>• Internal malfunction of B-pillar satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0096-24		[UPPER LIMIT ERR]	Upper limit value malfunction of B-pillar satellite sensor RH <ul style="list-style-type: none"> <li>• Internal malfunction of B-pillar satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0096-25		[SELF-DIAG ERR]	Diagnosis malfunction of B-pillar satellite sensor RH <ul style="list-style-type: none"> <li>• Internal malfunction of B-pillar satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0096-28		[OFFSET ERR]	Offset malfunction of B-pillar satellite sensor RH <ul style="list-style-type: none"> <li>• Internal malfunction of B-pillar satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0096-81		[COMM ERR]	Communication malfunction of B-pillar satellite sensor RH <ul style="list-style-type: none"> <li>• Connection malfunction of harness or connector</li> <li>• Internal malfunction of B-pillar satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0096-86		[UNMATCH]	B-pillar satellite sensor RH is out of the specified specification <ul style="list-style-type: none"> <li>Air bag diagnosis sensor unit and B-pillar satellite sensor RH is different from the part specified</li> </ul>
B0096-88		[OPEN]	B-pillar satellite sensor RH circuit is open <ul style="list-style-type: none"> <li>• Connection malfunction or open circuit of harness and connector</li> <li>• Internal malfunction of B-pillar satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0096-93		[RESET]	Reset malfunction of B-pillar satellite sensor RH <ul style="list-style-type: none"> <li>• Connection malfunction of harness or connector</li> <li>• Internal malfunction of B-pillar satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

 With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

# B0096 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

**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:0000000012172812

**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 DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0096-86]    >> GO TO 4.

Other than the above >> GO TO 2.

### 2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES    >> GO TO 3.

NO    >> Replace harness connector.

### 3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES    >> GO TO 4.

NO    >> Replace wiring harness.

### 4.REPLACE B-PILLAR SATELLITE SENSOR

1. Replace B-pillar satellite sensor RH. Refer to [SR-23, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-46, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 5.

NO    >> INSPECTION END

### 5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-46, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 1.

NO    >> INSPECTION END

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# B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

## B0098 FRONT DOOR SATELLITE SENSOR RH

### DTC Logic

INFOID:0000000012172813

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0098-11	DOOR SATEL SENS RH [Left Side Restraints Sensor 3 (Subfault)]	[GND-SHORT]	Front door satellite sensor RH circuit is shorted to ground <ul style="list-style-type: none"> <li>• Connection malfunction or short circuit to ground of harness and connector</li> <li>• Internal malfunction of front door satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0098-23		[LOWER LIMIT ERR]	Lower limit value malfunction of front door satellite sensor RH <ul style="list-style-type: none"> <li>• Internal malfunction of front door satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0098-24		[UPPER LIMIT ERR]	Upper limit value malfunction of front door satellite sensor RH <ul style="list-style-type: none"> <li>• Internal malfunction of front door satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0098-25		[SELF-DIAG ERR]	Diagnosis malfunction of front door satellite sensor RH <ul style="list-style-type: none"> <li>• Internal malfunction of front door satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0098-28		[OFFSET ERR]	Offset malfunction of front door satellite sensor RH <ul style="list-style-type: none"> <li>• Internal malfunction of front door satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0098-81		[COMM ERR]	Communication malfunction of front door satellite sensor RH <ul style="list-style-type: none"> <li>• Connection malfunction of harness or connector</li> <li>• Internal malfunction of front door satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0098-86		[UNMATCH]	Air bag diagnosis sensor unit and front door satellite sensor RH is different from the part specified <ul style="list-style-type: none"> <li>• Connection malfunction or open circuit of harness and connector</li> <li>• Internal malfunction of front door satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0098-88		[OPEN]	Front door satellite sensor RH circuit is open <ul style="list-style-type: none"> <li>• Connection malfunction of harness or connector</li> <li>• Internal malfunction of front door satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B0098-93		[RESET]	Reset malfunction of front door satellite sensor RH <ul style="list-style-type: none"> <li>• Connection malfunction of harness or connector</li> <li>• Internal malfunction of front door satellite sensor RH</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

 With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

# B0098 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

**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:0000000012172814

**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 DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0098-86]    >> GO TO 4.

Other than the above >> GO TO 2.

### 2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES    >> GO TO 3.

NO    >> Replace harness connector.

### 3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES    >> GO TO 4.

NO    >> Replace wiring harness.

### 4.REPLACE FRONT DOOR SATELLITE SENSOR RH

1. Replace front door satellite sensor RH. Refer to [SR-23, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-48, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 5.

NO    >> INSPECTION END

### 5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-48, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 1.

NO    >> INSPECTION END

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# B0099 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

## B0099 SATELLITE SENSOR

### DTC Logic

INFOID:000000012172815

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0099-11	SATELLITE SENSOR [Roll Over Sensor (Subfault)]	[GND-SHORT]	satellite sensor circuit is shorted to ground	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to ground of harness and connector</li><li>• Internal malfunction of satellite sensor</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0099-23		[LOWER LIMIT ERR]	Lower limit value malfunction of satellite sensor	<ul style="list-style-type: none"><li>• Internal malfunction of satellite sensor</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0099-24		[UPPER LIMIT ERR]	Upper limit value malfunction of satellite sensor	<ul style="list-style-type: none"><li>• Internal malfunction of satellite sensor</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0099-25		[SELF-DIAG ERR]	Diagnosis malfunction of satellite sensor	<ul style="list-style-type: none"><li>• Internal malfunction of satellite sensor</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0099-28		[OFFSET ERR]	Offset malfunction of satellite sensor	<ul style="list-style-type: none"><li>• Internal malfunction of satellite sensor</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0099-81		[COMM ERR]	Communication malfunction of satellite sensor	<ul style="list-style-type: none"><li>• Connection malfunction of harness or connector</li><li>• Internal malfunction of satellite sensor</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0099-86		[UNMATCH]	satellite sensor is out of the specified specification	Air bag diagnosis sensor unit and satellite sensor is different from the part specified
B0099-88		[OPEN]	satellite sensor circuit is open	<ul style="list-style-type: none"><li>• Connection malfunction or open circuit of harness and connector</li><li>• Internal malfunction of satellite sensor</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B0099-93		[RESET]	Reset malfunction of satellite sensor	<ul style="list-style-type: none"><li>• Connection malfunction of harness or connector</li><li>• Internal malfunction of satellite sensor</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

 With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

# B0099 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

**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:0000000012172816

**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 DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0099-86]    >> GO TO 4.

Other than the above >> GO TO 2.

### 2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES    >> GO TO 3.

NO    >> Replace harness connector.

### 3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES    >> GO TO 4.

NO    >> Replace wiring harness.

### 4.REPLACE SATELLITE SENSOR

1. Replace satellite sensor. Refer to [SR-23, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-50, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 5.

NO    >> INSPECTION END

### 5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-50, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 1.

NO    >> INSPECTION END

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# B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

## B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

### DTC Logic

INFOID:000000012172817

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B00A0-00	OCCUPANT SENS [Occupant Classification System (Subfault)]	[ABNORMAL VOLTAGE]	Power supply malfunction of occupant classification sensor	<ul style="list-style-type: none"> <li>• Connection malfunction or short circuit to power supply of harness or connector</li> <li>• Internal malfunction of occupant classification sensor</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B00A0-02		[UNIT MALFUNC]	Malfunction of occupant classification sensor	<ul style="list-style-type: none"> <li>• Connection malfunction of harness and connector</li> <li>• Internal malfunction of occupant classification sensor</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B00A0-09		[UNIT MALFUNC]		<ul style="list-style-type: none"> <li>• Connection malfunction of harness and connector</li> <li>• Internal malfunction of occupant classification sensor</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B00A0-04	OCCUPANT SENS C/U [Occupant Classification System (Subfault)]	[UNIT MALFUNC]	Malfunction of occupant classification sensor control unit	<ul style="list-style-type: none"> <li>• Connection malfunction or open circuit of harness and connector</li> <li>• Internal malfunction of occupant classification sensor control unit</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B00A0-83		[COMM ERR]	<ul style="list-style-type: none"> <li>• Communication malfunction of occupant classification sensor control unit</li> <li>• Communication blank of occupant classification sensor control unit</li> </ul>	<ul style="list-style-type: none"> <li>• Connection malfunction or open circuit of harness and connector</li> <li>• Internal malfunction of occupant classification sensor control unit</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B00A0-86		[COMM ERR]		<ul style="list-style-type: none"> <li>• Connection malfunction or open circuit of harness and connector</li> <li>• Internal malfunction of occupant classification sensor control unit</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B00A0-87		[COMM ERR]		<ul style="list-style-type: none"> <li>• Connection malfunction or open circuit of harness and connector</li> <li>• Internal malfunction of occupant classification sensor control unit</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B00A0-88		[COMM ERR]		<ul style="list-style-type: none"> <li>• Connection malfunction or open circuit of harness and connector</li> <li>• Internal malfunction of occupant classification sensor control unit</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B00A0-8F		[UNDEFINED]	Undefined status of occupant classification sensor control unit	<ul style="list-style-type: none"> <li>• Connection malfunction or open circuit of harness and connector</li> <li>• Internal malfunction of occupant classification sensor control unit</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>
B00A0-93		[RESET]	Reset malfunction of occupant classification sensor control unit	<ul style="list-style-type: none"> <li>• Connection malfunction of harness and connector</li> <li>• Internal malfunction of occupant classification sensor control unit</li> <li>• Internal malfunction of air bag diagnosis sensor unit</li> </ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

 With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

# B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

**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:0000000012172818

**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.

### 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 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

1. Replace occupant classification system. Refer to [SR-28, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-52, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 4.

NO    >> INSPECTION END

#### 4. REPLACE OCCUPANT CLASSIFICATION SYSTEM SEAT SENSOR

1. Replace seat cushion frame. Refer to [SE-132, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-52, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 5.

NO    >> INSPECTION END

#### 5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-52, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 1.

NO    >> INSPECTION END

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# B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

## B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

### DTC Logic

INFOID:0000000012172819

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B00D5-04	PASS A/B INDCTR CKT [Restraint System Passenger Disable Indicator (Subfault)]	[UNIT MALFUNC]	Malfunction of passenger air bag indicator circuit	<ul style="list-style-type: none"><li>• Connection malfunction of harness and connector</li><li>• Internal malfunction of passenger air bag indicator</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B00D5-11		[GND-SHORT]	Passenger air bag indicator circuit is shorted to ground	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to ground of harness and connector</li><li>• Internal malfunction of passenger air bag indicator</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B00D5-12		[VB-SHORT]	Passenger air bag indicator circuit is shorted to power supply circuit	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to power supply of harness and connector</li><li>• Internal malfunction of passenger air bag indicator</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B00D5-13		[OPEN]	Passenger air bag indicator circuit is open	<ul style="list-style-type: none"><li>• Connection malfunction or open circuit of harness and connector</li><li>• Internal malfunction of passenger air bag indicator</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B00D5-15		[PWR-SHORT/ OPEN]	Short circuit to power supply and open circuit of passenger air bag indicator circuit	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to power supply or open circuit of harness or connector</li><li>• Internal malfunction of passenger air bag indicator</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

##### With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

##### Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

##### **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-54, "Diagnosis Procedure"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:0000000012172820

### **WARNING:**

# B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

- 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.

A

## DIAGNOSTIC PROCEDURE

### 1.CHECK HARNESS CONNECTOR

B

Check the connection of harness connector.

C

Is the inspection result normal?

D

YES >> GO TO 2.

E

NO >> Replace harness connectors.

F

### 2.CHECK WIRING HARNESS

G

Check the wiring harness externals.

H

Is the inspection result normal?

I

YES >> GO TO 3.

J

NO >> Replace wiring harness.

K

### 3.CHECK FRONT PASSENGER AIR BAG INDICATOR

L

1. Replace front passenger air bag indicator. Refer to [IP-13, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-54, "DTC Logic"](#).

M

Is DTC detected?

N

YES >> GO TO 4.

O

NO >> INSPECTION END

P

### 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

SRC

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-54, "DTC Logic"](#).

Is DTC detected?

I

YES >> GO TO 1.

J

NO >> INSPECTION END

# B1400, B1401, B1402, B1403, B1404, B1405 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

## B1400, B1401, B1402, B1403, B1404, B1405 AIR BAG DIAGNOSIS SENSOR UNIT

### DTC Logic

INFOID:0000000012172821

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1400–00	CONTROL UNIT (airbag control unit)	[UNIT MALFUNC]	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit
B1401–00	CONTROL UNIT (airbag control unit internal trouble, sensor2)	[UNIT MALFUNC]		
B1402–00	CONTROL UNIT (airbag control unit internal trouble, sensor3)	[UNIT MALFUNC]		
B1403–00	CONTROL UNIT (airbag control unit internal trouble, sensor4)	[UNIT MALFUNC]		
B1404–00	CONTROL UNIT (airbag control unit internal trouble, sensor5)	[UNIT MALFUNC]		
B1405–00	CONTROL UNIT (airbag control unit internal trouble, sensor6)	[UNIT MALFUNC]		

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

#### 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-56, "Diagnosis Procedure"](#).

NO >> INSPECTION END

### Diagnosis Procedure

INFOID:0000000012172822

#### **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.

# **B1400, B1401, B1402, B1403, B1404, B1405 AIR BAG DIAGNOSIS SENSOR UNIT**

< DTC/CIRCUIT DIAGNOSIS >

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-56, "DTC Logic".](#)

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1406, B1407, B1408, B1409, B1410 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

## B1406, B1407, B1408, B1409, B1410 AIR BAG DIAGNOSIS SENSOR UNIT

### DTC Logic

INFOID:0000000012172823

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1406–00	CONTROL UNIT (airbag control unit internal trouble, Energy Reserver)	[UNIT MALFUNC]	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit
B1407–00	CONTROL UNIT (airbag control unit internal trouble, driver IC1)	[UNIT MALFUNC]		
B1408–00	CONTROL UNIT (airbag control unit internal trouble, driver IC2)	[UNIT MALFUNC]		
B1409–00	CONTROL UNIT (airbag control unit internal trouble, driver IC3)	[UNIT MALFUNC]		
B1410–00	CONTROL UNIT (airbag control unit internal trouble, Power IC)	[UNIT MALFUNC]		

#### DTC CONFIRMATION PROCEDURE

##### 1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

##### 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-58, "Diagnosis Procedure"](#).

NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:0000000012172824

##### 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.

# B1406, B1407, B1408, B1409, B1410 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

## 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-58, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 1.

NO    >> INSPECTION END

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# B1411, B1412, B1413, B1414, B1415 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

## B1411, B1412, B1413, B1414, B1415 AIR BAG DIAGNOSIS SENSOR UNIT

### DTC Logic

INFOID:0000000012172825

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1411–00	CONTROL UNIT (airbag control unit internal trouble, SUB IC)	[UNIT MALFUNC]	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit
B1412–00	CONTROL UNIT (airbag control unit internal trouble, communication IC1)	[UNIT MALFUNC]		
B1413–00	CONTROL UNIT (airbag control unit internal trouble, communication IC2)	[UNIT MALFUNC]		
B1414–00	CONTROL UNIT [airbag control unit internal trouble, Main micro controller (CPU)]	[UNIT MALFUNC]		
B1415–00	CONTROL UNIT [airbag control unit internal trouble, Sub microcontroller (CPU)]	[UNIT MALFUNC]		

#### DTC CONFIRMATION PROCEDURE

##### 1. CHECK SELF-DIAG RESULT

###### With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

###### Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

###### **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-60, "Diagnosis Procedure"](#).

NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:0000000012172826

###### **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.

# B1411, B1412, B1413, B1414, B1415 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

NO >> Replace wiring harness.

## 3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-25, "Removal and Installation".](#)
2. Perform DTC confirmation procedure. Refer to [SRC-60, "DTC Logic".](#)

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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# B1416, B1417, B1418, B1419, B1420 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

## B1416, B1417, B1418, B1419, B1420 AIR BAG DIAGNOSIS SENSOR UNIT

### DTC Logic

INFOID:0000000012172827

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1416–00	CONTROL UNIT (airbag control unit internal trouble, EEPROM)	[UNIT MALFUNC]	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit
B1417–00	CONTROL UNIT (airbag control unit internal trouble, Algorithm)	[UNIT MALFUNC]		
B1418–00	CONTROL UNIT (airbag control unit internal trouble, Configuration)	[UNIT MALFUNC]		
B1419–00	CONTROL UNIT (airbag control unit internal trouble, other component)	[UNIT MALFUNC]		
B1420–00	CONTROL UNIT (airbag control unit internal trouble, other)	[UNIT MALFUNC]		

#### DTC CONFIRMATION PROCEDURE

##### 1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

##### 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-62, "Diagnosis Procedure"](#).

NO >> INSPECTION END

#### Diagnosis Procedure

INFOID:0000000012172828

##### 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.

# B1416, B1417, B1418, B1419, B1420 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

## 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-62, "DTC Logic"](#).

Is DTC detected?

YES    >> GO TO 1.

NO    >> INSPECTION END

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# B1421 FRONTAL COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

## B1421 FRONTAL COLLISION DETECTION

### DTC Logic

INFOID:0000000012172829

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1421-00	FRONTAL COLLISION (Firing Record, Frontal)	Driver air bag, passenger air bag, seat belt pre-tensioner and lap pre-tensioner are deployed	—

#### DTC CONFIRMATION PROCEDURE

##### 1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

**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-64, "Diagnosis Procedure"](#).

NO    >> INSPECTION END

#### Diagnosis Procedure

INFOID:0000000012172830

**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"](#).

>> GO TO 2.

##### 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-75, "DTC Index"](#).

# B1422 SIDE COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

## B1422 SIDE COLLISION DETECTION

### DTC Logic

INFOID:000000012172831

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1422-00	SIDE COLLISION (Firing Record, Side)	Side air bag and curtain air bag are deployed	—

#### DTC CONFIRMATION PROCEDURE

##### 1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

**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:000000012172832

**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"](#).

>> GO TO 2.

##### 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-75, "DTC Index"](#).

# B1425 REAR COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

## B1425 REAR COLLISION DETECTION

### DTC Logic

INFOID:0000000012172833

#### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1425-00	REAR COLLISION (Rear Crash Detect)	Rear collision detected	—

#### DTC CONFIRMATION PROCEDURE

##### 1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

**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-66, "Diagnosis Procedure"](#).

NO    >> INSPECTION END

#### Diagnosis Procedure

INFOID:0000000012172834

**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"](#).

>> GO TO 2.

##### 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-75, "DTC Index"](#).

# B142A IGN VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

## B142A IGN VOLTAGE

### DTC Logic

INFOID:000000012172835

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B142A-16	IGNITION VOLTAGE (Ignition voltage Low)	[VB-LOW]	Power supply malfunction (low voltage) of air bag diagnosis sensor unit	<ul style="list-style-type: none"><li>• Malfunction of battery voltage (low voltage)</li><li>• Connection malfunction of harness or connector</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B142A-17	IGNITION VOLTAGE (Ignition voltage High)	[VB-HIGH]	Power supply malfunction (high voltage) of air bag diagnosis sensor unit	<ul style="list-style-type: none"><li>• Malfunction of battery voltage (high voltage)</li><li>• Connection malfunction of harness or connector</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

**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:000000012172836

**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 BATTERY VOLTAGE

Check battery voltage. Refer to [PG-3, "How to Handle Battery"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace battery. Refer to [PG-117, "Removal and Installation"](#).

#### 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.

## B142A IGN VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

NO      >> Replace wiring harness.

### 4.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-67, "DTC Logic"](#).

Is DTC detected?

YES      >> GO TO 1.

NO      >> INSPECTION END

# B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

## B1430 SEAT BELT PRE-TENSIONER

### DTC Logic

INFOID:0000000012172837

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1430-09	PRE-TEN FRONT LH (Front seat belt pre-tensioner squib left hand circuit)	[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of seat belt pre-tensioner LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B1430-11		[GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to ground of harness and connector</li><li>• Internal malfunction of seat belt pre-tensioner LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B1430-12		[VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit to power supply of harness and connector</li><li>• Internal malfunction of seat belt pre-tensioner LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B1430-13		[OPEN]	Seat belt pre-tensioner LH circuit is open	<ul style="list-style-type: none"><li>• Connection malfunction or open circuit of harness and connector</li><li>• Internal malfunction of seat belt pre-tensioner LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>
B1430-1A		[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other	<ul style="list-style-type: none"><li>• Connection malfunction or short circuit of harness and connector</li><li>• Internal malfunction of seat belt pre-tensioner LH</li><li>• Internal malfunction of air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

##### With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

##### Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

##### **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:0000000012172838

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)

# B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

- 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 SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner LH. Refer to [SR-27, "Removal and Installation"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-69, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

2. Perform DTC confirmation procedure. Refer to [SRC-69, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

## B1431 SEAT BELT PRE-TENSIONER

### DTC Logic

INFOID:0000000012172839

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1431-09	PRE-TEN FRONT RH (Front seat belt pre-tensioner squib right hand circuit)	[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other
B1431-11		[GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground
B1431-12		[VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit
B1431-13		[OPEN]	Seat belt pre-tensioner RH circuit is open
B1431-1A		[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

##### With CONSULT

1. Turn ignition switch ON.
2. Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

##### Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

##### **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:0000000012172840

#### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (To discharge backup capacitor.)

# B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

- 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 SEAT BELT PRE-TENSIONER

1. Replace seat belt pre-tensioner RH. Refer to [SR-27, "Removal and Installation"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-71, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END

## 4.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

2. Perform DTC confirmation procedure. Refer to [SRC-71, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

# B1500 DOOR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

## B1500 DOOR SATELLITE SENSOR

### DTC Logic

INFOID:000000012172841

### DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1500-23	DOOR SATELLITE SEN-SOR (Door-SAT signal stuck low)	[LOWER LIMIT ERR]	Lower limit value malfunction of front door satellite sensor LH or RH	<ul style="list-style-type: none"><li>Internal malfunction of front door satellite sensor LH or RH</li><li>Internal malfunction of air bag diagnosis sensor unit</li></ul>
B1500-24	DOOR SATELLITE SEN-SOR (Door-SAT signal stuck High)	[UPPER LIMIT ERR]	Upper limit value malfunction of front door satellite sensor LH or RH	<ul style="list-style-type: none"><li>Internal malfunction of front door satellite sensor LH or RH</li><li>Internal malfunction of air bag diagnosis sensor unit</li></ul>
B1500-92	DOOR SATELLITE SEN-SOR [Door-SAT performance or incorrect operation]	[PERFRM ERR/ INCRCT OPE]	Diagnosis malfunction of front door satellite sensor LH or RH	<ul style="list-style-type: none"><li>Internal malfunction of front door satellite sensor LH or RH</li><li>Internal malfunction of air bag diagnosis sensor unit</li></ul>

### DTC CONFIRMATION PROCEDURE

#### 1. CHECK SELF-DIAG RESULT

With CONSULT

- Turn ignition switch ON.
- Perform "Self Diagnostic Result" mode of "AIR BAG" using CONSULT.

Without CONSULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to [SRC-14, "On Board Diagnosis Function"](#).

**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:000000012172842

**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 FRONT DOOR SATELLITE SENSOR LH AND RH

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## B1500 DOOR SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

- 
1. Replace front door satellite sensor LH and RH. Refer to [SR-23, "Removal and Installation"](#).
  2. Perform DTC confirmation procedure. Refer to [SRC-73, "DTC Logic"](#).

Is DTC detected?

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

## 4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

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:000000012172843

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference
		System display	Item display	
U1000-01	CAN COMM CIRCUIT	—	—	<a href="#">SRC-20, "DTC Logic"</a>
U1010-49	CONTROL UNIT (CAN)	—	—	<a href="#">SRC-21, "DTC Logic"</a>
B0001-00	DRIVER AIRBAG MODULE [SHORT]	Front air bag system	1	<a href="#">SRC-22, "DTC Logic"</a>
B0001-09	DRIVER AIRBAG MODULE [SHORT]			
B0001-11	DRIVER AIRBAG MODULE [GND-SHORT]			
B0001-12	DRIVER AIRBAG MODULE [VB-SHORT]			
B0001-13	DRIVER AIRBAG MODULE [OPEN]			
B0001-1A	DRIVER AIRBAG MODULE [SHORT]			
B0002-00	DRIVER AIRBAG MODULE 2 [SHORT]	Front air bag system	1	<a href="#">SRC-25, "DTC Logic"</a>
B0002-09	DRIVER AIRBAG MODULE 2 [SHORT]			
B0002-11	DRIVER AIRBAG MODULE 2 [GND-SHORT]			
B0002-12	DRIVER AIRBAG MODULE 2 [VB-SHORT]			
B0002-13	DRIVER AIRBAG MODULE 2 [OPEN]			
B0002-1A	DRIVER AIRBAG MODULE 2 [SHORT]			
B0010-09	ASSIST A/B MODULE [SHORT]	Front air bag system	2	<a href="#">SRC-28, "DTC Logic"</a>
B0010-11	ASSIST A/B MODULE [GND-SHORT]			
B0010-12	ASSIST A/B MODULE [VB-SHORT]			
B0010-13	ASSIST A/B MODULE [OPEN]			
B0010-1A	ASSIST A/B MODULE [SHORT]			
B0011-09	ASSIST A/B MODULE 2 [SHORT]			
B0011-11	ASSIST A/B MODULE 2 [GND-SHORT]	Front air bag system	2	<a href="#">SRC-30, "DTC Logic"</a>
B0011-12	ASSIST A/B MODULE 2 [VB-SHORT]			
B0011-13	ASSIST A/B MODULE 2 [OPEN]			
B0011-1A	ASSIST A/B MODULE 2 [SHORT]			
B0020-09	SIDE A/B MODULE LH [SHORT]	Side air bag system	1	<a href="#">SRC-32, "DTC Logic"</a>
B0020-11	SIDE A/B MODULE LH [GND-SHORT]			
B0020-12	SIDE A/B MODULE LH [VB-SHORT]			
B0020-13	SIDE A/B MODULE LH [OPEN]			
B0020-1A	SIDE A/B MODULE LH [SHORT]			
B0021-09	CURTAIN A/B MODULE LH [SHORT]	Side air bag system	3	<a href="#">SRC-34, "DTC Logic"</a>
B0021-11	CURTAIN A/B MODULE LH [GND-SHORT]			
B0021-12	CURTAIN A/B MODULE LH [VB-SHORT]			
B0021-13	CURTAIN A/B MODULE LH [OPEN]			
B0021-1A	CURTAIN A/B MODULE LH [SHORT]			

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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference
		System display	Item display	
B0028-09	SIDE A/B MODULE RH [SHORT]	Side air bag system	2	<a href="#">SRC-36, "DTC Logic"</a>
B0028-11	SIDE A/B MODULE RH [GND-SHORT]			
B0028-12	SIDE A/B MODULE RH [VB-SHORT]			
B0028-13	SIDE A/B MODULE RH [OPEN]			
B0028-1A	SIDE A/B MODULE RH [SHORT]			
B0029-09	CURTAIN A/B MODULE RH [SHORT]	Side air bag system	4	<a href="#">SRC-38, "DTC Logic"</a>
B0029-11	CURTAIN A/B MODULE RH [GND-SHORT]			
B0029-12	CURTAIN A/B MODULE RH [VB-SHORT]			
B0029-13	CURTAIN A/B MODULE RH [OPEN]			
B0029-1A	CURTAIN A/B MODULE RH [SHORT]			
B0091-11	B-PILLAR SAT SEN LH [GND-SHORT]	Sensor system	2	<a href="#">SRC-40, "DTC Logic"</a>
B0091-23	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]			
B0091-24	B-PILLAR SAT SEN LH [UPPER LIMIT ERR]			
B0091-25	B-PILLAR SAT SEN LH [SELF-DIAG ERR]			
B0091-28	B-PILLAR SAT SEN LH [OFFSET ERR]			
B0091-81	B-PILLAR SAT SEN LH [COMM ERR]			
B0091-86	B-PILLAR SAT SEN LH [UNMATCH]			
B0091-88	B-PILLAR SAT SEN LH [OPEN]			
B0091-93	B-PILLAR SAT SEN LH [RESET]			
B0093-11	DOOR SATEL SENS LH [GND-SHORT]			
B0093-23	DOOR SATEL SENS LH [LOWER LIMIT ERR]			
B0093-24	DOOR SATEL SENS LH [UPPER LIMIT ERR]			
B0093-25	DOOR SATEL SENS LH [SELF-DIAG ERR]			
B0093-28	DOOR SATEL SENS LH [OFFSET ERR]			
B0093-81	DOOR SATEL SENS LH [COMM ERR]			
B0093-86	DOOR SATEL SENS LH [UNMATCH]			
B0093-88	DOOR SATEL SENS LH [OPEN]			
B0093-93	DOOR SATEL SENS LH [RESET]			
B0094-11	CRASH ZONE SENS [GND-SHORT]	Sensor system	6	<a href="#">SRC-42, "DTC Logic"</a>
B0094-23	CRASH ZONE SENS [LOWER LIMIT ERR]			
B0094-24	CRASH ZONE SENS [UPPER LIMIT ERR]			
B0094-25	CRASH ZONE SENS [SELF-DIAG ERR]			
B0094-28	CRASH ZONE SENS [OFFSET ERR]			
B0094-81	CRASH ZONE SENS [COMM ERR]			
B0094-86	CRASH ZONE SENS [UNMATCH]			
B0094-88	CRASH ZONE SENS [OPEN]			
B0094-93	CRASH ZONE SENS [RESET]			

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference
		System display	Item display	
B0096-11	B-PILLAR SAT SEN RH [GND-SHORT]	Sensor system	3	<a href="#">SRC-46. "DTC Logic"</a>
B0096-23	B-PILLAR SAT SEN RH [LOWER LIMIT ERR]			
B0096-24	B-PILLAR SAT SEN RH [UPPER LIMIT ERR]			
B0096-25	B-PILLAR SAT SEN RH [SELF-DIAG ERR]			
B0096-28	B-PILLAR SAT SEN RH [OFFSET ERR]			
B0096-81	B-PILLAR SAT SEN RH [COMM ERR]			
B0096-86	B-PILLAR SAT SEN RH [UNMATCH]			
B0096-88	B-PILLAR SAT SEN RH [OPEN]			
B0096-93	B-PILLAR SAT SEN RH [RESET]			
B0098-11	DOOR SATEL SENS RH [GND-SHORT]	Sensor system	7	<a href="#">SRC-48. "DTC Logic"</a>
B0098-23	DOOR SATEL SENS RH [LOWER LIMIT ERR]			
B0098-24	DOOR SATEL SENS RH [UPPER LIMIT ERR]			
B0098-25	DOOR SATEL SENS RH [SELF-DIAG ERR]			
B0098-28	DOOR SATEL SENS RH [OFFSET ERR]			
B0098-81	DOOR SATEL SENS RH [COMM ERR]			
B0098-86	DOOR SATEL SENS RH [UNMATCH]			
B0098-88	DOOR SATEL SENS RH [OPEN]			
B0098-93	DOOR SATEL SENS RH [RESET]			
B0099-11	SATELLITE SENSOR [GND-SHORT]	Sensor system	12	<a href="#">SRC-50. "DTC Logic"</a>
B0099-23	SATELLITE SENSOR [LOWER LIMIT ERR]			
B0099-24	SATELLITE SENSOR [UPPER LIMIT ERR]			
B0099-25	SATELLITE SENSOR [SELF-DIAG ERR]			
B0099-28	SATELLITE SENSOR [OFFSET ERR]			
B0099-81	SATELLITE SENSOR [COMM ERR]			
B0099-86	SATELLITE SENSOR [UNMATCH]			
B0099-88	SATELLITE SENSOR [OPEN]			
B0099-93	SATELLITE SENSOR [RESET]			
B00A0-00	OCCUPANT SENS [ABNORMAL VOLTAGE]	Air bag control unit system	4	<a href="#">SRC-52. "DTC Logic"</a>
B00A0-02	OCCUPANT SENS [UNIT MALFUNC]			
B00A0-09	OCCUPANT SENS [UNIT MALFUNC]			
B00A0-04	OCCUPANT SENS C/U [UNIT MALFUNC]			
B00A0-83	OCCUPANT SENS C/U [COMM ERR]			
B00A0-86	OCCUPANT SENS C/U [COMM ERR]			
B00A0-87	OCCUPANT SENS C/U [COMM ERR]			
B00A0-88	OCCUPANT SENS C/U [COMM ERR]			
B00A0-8F	OCCUPANT SENS C/U [UNDEFINED]			
B00A0-93	OCCUPANT SENS C/U [RESET]	Air bag control unit system	3	<a href="#">SRC-54. "DTC Logic"</a>
B00D5-04	PASS A/B INDCTR CKT [UNIT MALFUNC]			
B00D5-11	PASS A/B INDCTR CKT [GND-SHORT]			
B00D5-12	PASS A/B INDCTR CKT [VB-SHORT]			
B00D5-13	PASS A/B INDCTR CKT [OPEN]			
B00D5-15	PASS A/B INDCTR CKT [PWR-SHORT/OPEN]			

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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

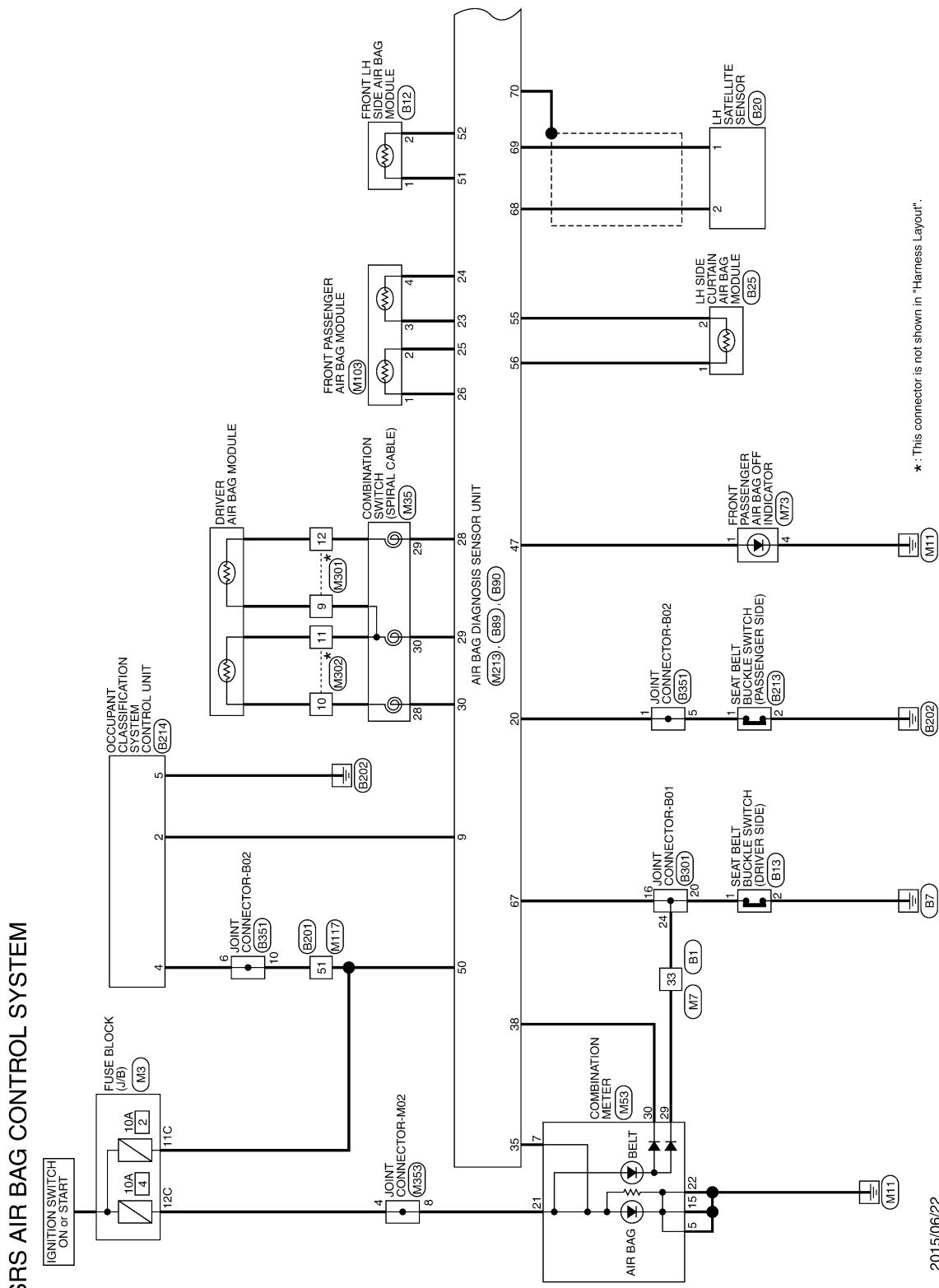
DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference
		System display	Item display	
B1400–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	<a href="#">SRC-56, "DTC Logic"</a>
B1401–00	CONTROL UNIT [UNIT MALFUNC]			
B1402–00	CONTROL UNIT [UNIT MALFUNC]			
B1403–00	CONTROL UNIT [UNIT MALFUNC]			
B1404–00	CONTROL UNIT [UNIT MALFUNC]			
B1405–00	CONTROL UNIT [UNIT MALFUNC]			
B1406–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	<a href="#">SRC-58, "DTC Logic"</a>
B1407–00	CONTROL UNIT [UNIT MALFUNC]			
B1408–00	CONTROL UNIT [UNIT MALFUNC]			
B1409–00	CONTROL UNIT [UNIT MALFUNC]			
B1410–00	CONTROL UNIT [UNIT MALFUNC]			
B1411–00	CONTROL UNIT [UNIT MALFUNC]			
B1412–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	<a href="#">SRC-60, "DTC Logic"</a>
B1413–00	CONTROL UNIT [UNIT MALFUNC]			
B1414–00	CONTROL UNIT [UNIT MALFUNC]			
B1415–00	CONTROL UNIT [UNIT MALFUNC]			
B1416–00	CONTROL UNIT [UNIT MALFUNC]			
B1417–00	CONTROL UNIT [UNIT MALFUNC]			
B1418–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	<a href="#">SRC-62, "DTC Logic"</a>
B1419–00	CONTROL UNIT [UNIT MALFUNC]			
B1420–00	CONTROL UNIT [UNIT MALFUNC]			
B1421–00	FRONTAL COLLISION	Air bag control unit system	1	<a href="#">SRC-64, "DTC Logic"</a>
B1422–00	SIDE COLLISION	Air bag control unit system	1	<a href="#">SRC-65, "DTC Logic"</a>
B1425–00	REAR COLLISION	Air bag control unit system	1	<a href="#">SRC-66, "DTC Logic"</a>
B142A–16	IGNITION VOLTAGE [VB-LOW]	—	—	<a href="#">SRC-67, "DTC Logic"</a>
B142A–17	IGNITION VOLTAGE [VB-HIGH]	—	—	
B1430–09	PRE-TEN FRONT LH [SHORT]	Front air bag system	3	<a href="#">SRC-69, "DTC Logic"</a>
B1430–11	PRE-TEN FRONT LH [GND-SHORT]			
B1430–12	PRE-TEN FRONT LH [VB-SHORT]			
B1430–13	PRE-TEN FRONT LH [OPEN]			
B1430–1A	PRE-TEN FRONT LH [SHORT]			
B1431–09	PRE-TEN FRONT RH [SHORT]			
B1431–11	PRE-TEN FRONT RH [GND-SHORT]	Front air bag system	4	<a href="#">SRC-71, "DTC Logic"</a>
B1431–12	PRE-TEN FRONT RH [VB-SHORT]			
B1431–13	PRE-TEN FRONT RH [OPEN]			
B1431–1A	PRE-TEN FRONT RH [SHORT]			
B1500–23	DOOR SATELLITE SENSOR [LOWER LIMIT ERR]	Sensor system	6	<a href="#">SRC-73, "DTC Logic"</a>
B1500–24	DOOR SATELLITE SENSOR [UPPER LIMIT ERR]			
B1500–92	DOOR SATELLITE SENSOR [PERFRM ERR/INCRCT OPE]			

## **DIAGNOSIS SENSOR UNIT**

## < ECU DIAGNOSIS INFORMATION >

Wiring Diagram - SRS AIR BAG CONTROL SYSTEM -

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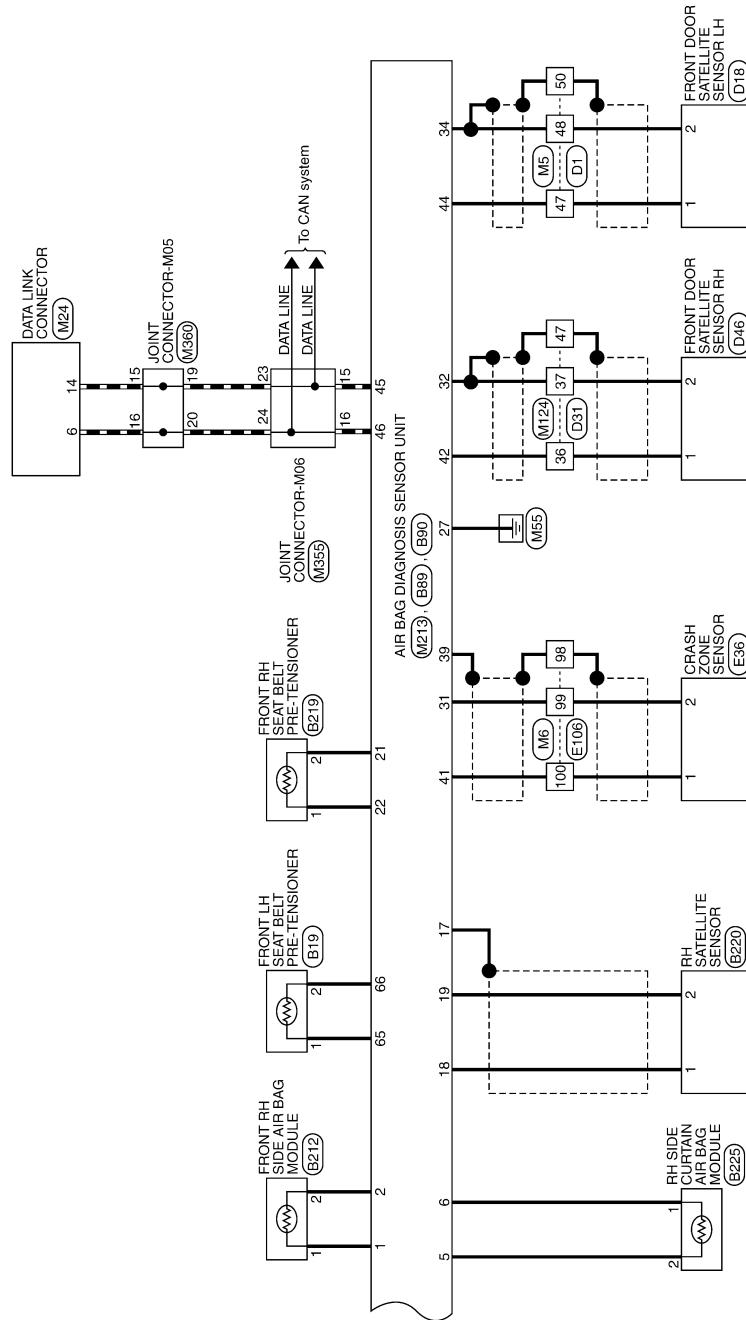


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JRHWC4574GE

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >



JRHWC4575GB

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

## SRS AIR BAG CONTROL SYSTEM

Connector No.	Signal Name [Specification]	Terminal No.	Color Of Wire	Signal Name [Specification]	Terminal No.	Color Of Wire	Signal Name [Specification]
B1	WIRE TO WIRE	36	L		36	L	
		37	P		37	P	
		38	P		38	P	
		39	Y		39	Y	
		40	SB		40	SB	
		44	Y		44	Y	
		45	GR		45	GR	
		46	LG		46	LG	
		47	SB		47	SB	
		48	BG		48	BG	
		49	R		49	R	
		50	L		50	L	
		60	P		60	P	
		61	L		61	L	
		62	SHIELD		62	SHIELD	
		63	R		63	R	
		64	G		64	G	
		65	SHIELD		65	SHIELD	
		66	W		66	W	
		67	V		67	V	
		68	SB		68	SB	
		69	SHIELD		69	SHIELD	
		70	W		70	W	
		73	SB		73	SB	
		74	L		74	L	
		75	W		75	W	
		76	BR		76	BR	
		77	R		77	R	
		78	P		78	P	
		79	GR		79	GR	
		83	BG		83	BG	
		85	V		85	V	
		86	LG		86	LG	
		87	Y		87	Y	
		88	R		88	R	
		89	B		89	B	
		90	BR		90	BR	
		91	GR		91	GR	
		92	BR		92	BR	
		93	G		93	G	
		94	SB		94	SB	
		95	G		95	G	
		96	Y		96	Y	
		98	W		98	W	
		99	GR		99	GR	

Connector No.	Wire To Wire	Terminal No.	Color Of Wire	Signal Name [Specification]	Terminal No.	Color Of Wire	Signal Name [Specification]
B1	WIRE TO WIRE	36	L		36	L	
		37	P		37	P	
		38	P		38	P	
		39	Y		39	Y	
		40	SB		40	SB	
		44	Y		44	Y	
		45	GR		45	GR	
		46	LG		46	LG	
		47	SB		47	SB	
		48	BG		48	BG	
		49	R		49	R	
		50	L		50	L	
		60	P		60	P	
		61	L		61	L	
		62	SHIELD		62	SHIELD	
		63	R		63	R	
		64	G		64	G	
		65	SHIELD		65	SHIELD	
		66	W		66	W	
		67	V		67	V	
		68	SB		68	SB	
		69	SHIELD		69	SHIELD	
		70	W		70	W	
		73	SB		73	SB	
		74	L		74	L	
		75	W		75	W	
		76	BR		76	BR	
		77	R		77	R	
		78	P		78	P	
		79	GR		79	GR	
		83	BG		83	BG	
		85	V		85	V	
		86	LG		86	LG	
		87	Y		87	Y	
		88	R		88	R	
		89	B		89	B	
		90	BR		90	BR	
		91	GR		91	GR	
		92	BR		92	BR	
		93	G		93	G	
		94	SB		94	SB	
		95	G		95	G	
		96	Y		96	Y	
		98	W		98	W	
		99	GR		99	GR	

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JRHWC4576GB



# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

## SRS AIR BAG CONTROL SYSTEM

Connector No.	B214	Connector No.	B230
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT	Connector Name	JOINT CONNECTOR-B01
Connector Type	TR40FPH-HH	Connector Type	MR24FFB-J



H.S.

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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	R	-
3	P	-
4	LG	-
5	SB	-
6	L	-
7	P	-
8	LG	-
9	SB	-
10	S	-
11	GR	-
12	SHIELD	-
13	Y	-
14	P	-
15	LG	-
16	SB	-
17	R	-
18	LG	-
19	SB	-
20	Y	-
21	P	-
22	LG	-

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	WIRE TO WIRE
2	Y	TH40FW-CS15

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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	V	-
4	W	-
5	L	-

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

# DIAGNOSIS SENSOR UNIT

**< ECU DIAGNOSIS INFORMATION >**

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## SRS AIR BAG CONTROL SYSTEM

Terminal No.	Color Of Wire	Signal Name [Specification]	Terminal No.	Color Of Wire	Signal Name [Specification]
6	O	-	52	R	-
7	GR	-	53	SB	-
8	W	-	54	O	-
9	O	-	55	Y	-
10	BR	-			
11	P	-			
12	LG	-			
13	B	-			
14	Y	-			
15	W	-			
16	SR	-			
17	LG	-			
18	SHIELD	-			
19	P	-			
20	W	-			
21	O	-			
22	P	-			
23	BR	-			
24	Y	-			
25	GR	-			
26	Y	-			
27	BR	-			
28	V	-			
29	LG	-			
30	G	-			
31	W	-			
32	G	-			
33	L	-			
34	SB	-			
35	R	-			
36	LG	-			
37	R	-			
38	P	-			
39	O	-			
40	BR	-			
41	L	-			
42	GP	-			
43	GR	-			
44	GT	-			
45	W	-			
46	G	-			
47	V	-			
48	G	-			
49	GR	-			
50	SHIELD	-			
51	B	-			

[Details: Automatic drive positioner]  
 7 R - (Without automatic drive positioner)  
 8 BR - (Without automatic drive positioner)  
 9 V - (With automatic drive positioner)  
 10 BG - (Without automatic drive positioner)  
 11 SB - (With automatic drive positioner)  
 12 P - (Without automatic drive positioner)  
 13 LG - (With automatic drive positioner)  
 14 B - (Without automatic drive positioner)  
 15 W - (With automatic drive positioner)  
 16 BR - (Without automatic drive positioner)  
 17 B - (With automatic drive positioner)  
 18 R - (Without automatic drive positioner)  
 19 B - (With automatic drive positioner)  
 20 G - (Without around view monitor)

JRHWC4579GB

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

## SRS AIR BAG CONTROL SYSTEM

Terminal No.	Color Of Wire	Signal Name [Specification]
78	BR	- (Without IGC) - (With IGC)
79	L	- (Without IGC) - (With IGC)
79	Y	- (Without IGC) - (With IGC)
80	SB	-
81	R	-
82	SB	-
83	BG	-
84	G	-
85	L	-
86	P	-
87	R	-
88	GR	-
89	SHIELD	-
90	W	-
91	Y	-
92	V	-
93	BR	-
94	LG	-
95	BG	-
96	P	-
97	R	-
98	SHIELD	-
99	W	-
100	L	-
101	P	-
102	LG	-
103	BR	-
104	W	-
105	LG	-
106	SB	-
107	BR	-
108	W	-
109	LG	-
110	BR	-
111	W	-
112	LG	-
113	BR	-
114	Y	-
115	W	-
116	R	-
117	B	-
118	SHIELD	-
119	Q	-
20	L	-
21	LG	-
22	LG	-
23	O	-
24	Y	-
25	Y	-
26	GR	-
27	R	-
28	W	-
29	V	-
30	Y	-
31	R	-
32	BR	-
33	SB	-
34	Y	-
35	P	-
36	LG	-

Terminal No.	Color Of Wire	Signal Name [Specification]
78	BR	- (Without IGC) - (With IGC)
79	L	- (Without IGC) - (With IGC)
79	Y	- (Without IGC) - (With IGC)
80	SB	-
81	R	-
82	SB	-
83	BG	-
84	G	-
85	L	-
86	P	-
87	R	-
88	GR	-
89	SHIELD	-
90	W	-
91	Y	-
92	V	-
93	BR	-
94	LG	-
95	BG	-
96	P	-
97	R	-
98	SHIELD	-
99	W	-
100	L	-
101	P	-
102	LG	-
103	BR	-
104	W	-
105	LG	-
106	SB	-
107	BR	-
108	W	-
109	LG	-
110	BR	-
111	W	-
112	LG	-
113	BR	-
114	Y	-
115	W	-
116	R	-
117	B	-
118	SHIELD	-
119	Q	-
20	L	-
21	LG	-
22	LG	-
23	O	-
24	Y	-
25	Y	-
26	GR	-
27	R	-
28	W	-
29	V	-
30	Y	-
31	R	-
32	BR	-
33	SB	-
34	Y	-
35	P	-
36	LG	-

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# DIAGNOSIS SENSOR UNIT

**< ECU DIAGNOSIS INFORMATION >**

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**SRS AIR BAG CONTROL SYSTEM**

Terminal No.	Wire Color	Signal Name [Specification]	Terminal Color Of Wire No.	Signal Name [Specification]
12	BG	-	69	SHIELD
13	L	-	70	W
14	R	-	8	B
15	P	-	9	V
16	Y	-	11	G
17	SB	-	12	SB
18	V	-	13	LG
20	BR	-	14	Y
21	L	-	15	C
22	W	-	16	R
23	P	-	17	W
24	BR	-	18	SB
25	Y	-	19	LG
26	V	-	20	BR
27	G	-	21	SHIELD
28	G	-	22	Y
31	L	-	24	V
32	G	-	25	Q
33	B	-	26	Y
34	W	-	27	B
35	R	-	28	R
36	SHIELD	-	29	W
37	V	-	30	SHIELD
38	BG	-	31	L
39	BR	-	32	P
41	W	-	33	Y
42	BR	-	34	SB
43	BG	-	35	P
45	W	-	36	L
49	L	-	37	P
50	P	-	38	P
51	BR	-	39	Y
54	Y	-	40	SB
57	G	-	44	L
59	W	-	45	GR
60	L	-	46	LG
61	G	-	47	SB
62	SB	-	48	BG
63	G	-	49	R
64	B	-	50	L
65	W	-	50	P
66	R	-	61	L
67	SHIELD	-	62	SHIELD
68	Y	-	63	R
69	GR	-	64	G
70	LG	-	65	SHIELD
71	LG	-	66	SB
72	Y	-	67	V
73	SB	-	68	Y
74	BR	-	68	LG

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# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

## SRS AIR BAG CONTROL SYSTEM

Connector No.	Color Of Wire	Signal Name [Specification]	Terminal No.	Color Of Wire	Signal Name [Specification]	Terminal No.	Color Of Wire	Signal Name [Specification]
M05	R	-	23	L	-	91	V	-
Connector Name	COMINATION SWITCH (SPIRAL CABLE)		28	G	-	92	G	-
Connector Type	T05F-E/-V		29	SB	SEAT BELT BUCKLE SWITCH SIGNAL	34	G	-
			30	G	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)	55	W	-
			31	L	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)	75	W	-
			33	B	WASHER LEVEL SWITCH SIGNAL	80	V	-
			36	LG	ILLUMINATION CONTROL SWITCH SIGNAL	81	SB	-
			37	SB	SELECT SWITCH SIGNAL	82	V	-
			38	L	TRIP A/B RESET SWITCH SIGNAL	83	P	-
			39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)	84	R	-
			40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (+)	85	L	-

Terminal No.	Color Of Wire	Signal Name [Specification]	Terminal No.	Color Of Wire	Signal Name [Specification]	Terminal No.	Color Of Wire	Signal Name [Specification]
23	Y	FRONT PASSENGER AIR BAG OFF INDICATOR	1	L	-	99	P	-
28	Y	-	2	G	-	99	V	-
29	Y	-	3	GR	-	99	W	-
30	Y	-	4	SB	-	96	G	-
			7	W	-	97	Y	-
			10	W	-	98	BR	-
			15	V	-	99	P	- (Without BOSE system)
			17	BR	-	100	L	- (With BOSE system)
			18	GR	-	100	SB	- (Without BOSE system)
			19	W	-	100	SB	- (With BOSE system)

Terminal No.	Color Of Wire	Signal Name [Specification]	Terminal No.	Color Of Wire	Signal Name [Specification]	Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-	1	R	-	26	BR	-
2	Y	-	4	B	-	27	LG	-
3	Y	-				28	Y	-
						29	Y	-
						30	V	-
						31	R	-
						32	BR	-
						33	Q	-
						51	R	-
						95	W	-
						96	B	-
						97	R	-
						98	O	-
						99	SHELD	-
						00	V	-
						01	LG	-
						02	BR	-
						03	L	-
						04	LG	-
						05	B	-
						06	R	-
						07	W	-
						08	SHIELD	-
						09	V	-
						10	Y	-

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# DIAGNOSIS SENSOR UNIT

**< ECU DIAGNOSIS INFORMATION >**

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## SRS AIR BAG CONTROL SYSTEM

Terminal No.	Color Of Wire	Signal Name [Specification]	Terminal No.	Color Of Wire	Signal Name [Specification]
19	B	V	31	Y	ECS*(-)
20	G	-	32	BR	DOOR SATELLITE BR2(-)
20	W	- (With around view monitor)	34	G	DOOR SATELLITE LR2(-)
20	L	- (Without around view monitor)	35	BR	A, B OFF IND
21	SHIELD	-	36	G	SEATBELT W.L.
22	SS	- (With around view monitor)	39	SHELD	GND
23	GR	-	41	SB	ECS(+)
24	G	-	42	Y	DOOR SATELLITE RL2(+)
25	Y	-	44	R	DOOR SATELLITE LR2(+)
26	R	-	45	P	CAN-L
27	W	-	46	L	CAN-H
30	W	-	47	R	A, B CUTOFF TELLTALE
33	BR	-	50	R	IGN
34	V	-			
35	G	-			
36	Y	-			
37	BR	-	1	Q	-
43	L	-	2	R	- (Without BOSE system)
44	Y	-	2	V	- (With BOSE system)
45	R	-	3	Y	-
46	W	-	4	BG	-
47	SHIELD	-	5	O	-
52	R	-	6	R	-
53	G	-	7	Y	-
54	W	-	8	BG	-
55	BC	-	9	G	-
			10	R	-
			11	V	-
			13	W	-
			14	R	-
			17	W	-
			19	V	-
			21	W	-
			22	R	-
			23	V	-
			26	R	-
			27	G	-

Terminal No.	Color Of Wire	Signal Name [Specification]
9	-	-
12	-	-

Terminal No.	Color Of Wire	Signal Name [Specification]
23	Y	A52(+)
24	Y	A52(-)
25	Y	A51(-)
26	Y	A51(+)
27	B	GND
28	Y	DR2(+)
29	Y	DR1(-) DR2(-)
30	Y	DR1(+)

JRHWC4583GB

# DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

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SRS AIR BAG CONTROL SYSTEM	
5	R
6	OR
7	P
8	L
9	BR
11	P
12	L
13	BR
15	P
16	L
17	V
19	P
20	L
21	V
22	G
23	P
24	L

JRHWC4584GB

# 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:0000000012172845

#### 1.CHECK FRONT AIR BAG MODULE

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to [SR-11, "Removal and Installation"](#) or [SR-17, "Removal and Installation"](#).

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, "Removal and Installation"](#).

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:0000000012172846

#### 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, "Removal and Installation".](#)
2. Check air bag warning lamp operation.

SRC

Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 1.

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# PASSENGER SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

## PASSENGER SEAT BELT WARNING SYSTEM

### Diagnosis Procedure

INFOID:0000000012172847

#### 1.CHECK THE SYSTEM 1

Check the seat belt warning lamp function.

Seat belt warning lamp turns ON in the following conditions.

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Check the followings.

- Harness between air bag diagnosis sensor unit and combination meter.
- Seat belt buckle switch (passenger side) circuit.
- Seat belt buckle switch (passenger side).

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

#### 2.CHECK THE SYSTEM 2

Check the seat belt warning lamp function.

Seat belt warning lamp turns OFF in the following conditions.

- Driver seat belt is fastened.
- Occupant is on passenger seat.
- Passenger seat belt is fastened.

Is the inspection result normal?

YES >> System is OK.

NO >> Check the followings.

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

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

## PRECAUTIONS

< PRECAUTION >

# PRECAUTION

## PRECAUTIONS

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

INFOID:0000000012172848

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

#### **WARNING:**

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.
- Improper repair, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

### PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

#### **WARNING:**

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery or batteries, and wait at least 3 minutes before performing any service.

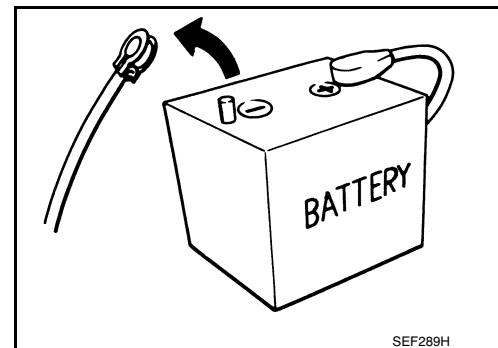
### Precautions for Removing Battery Terminal

INFOID:0000000012707683

When disconnecting the battery terminal, pay attention to the following.

- Always use a 12V battery as power source.
- Never disconnect battery terminal while engine is running.
- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
- For vehicles with the engine listed below, remove the battery terminal after a lapse of the specified time:

BR08DE	: 4 minutes	YD25DDTi	: 2 minutes
D4D engine	: 20 minutes	YS23DDT	: 4 minutes
HRA2DDT	: 12 minutes	YS23DDTT	: 4 minutes
K9K engine	: 4 minutes	ZD30DDTi	: 60 seconds
M9R engine	: 4 minutes	ZD30DDTT	: 60 seconds
R9M engine	: 4 minutes		
V9X engine	: 4 minutes		



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#### **NOTE:**

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- After high-load driving, if the vehicle is equipped with the V9X engine, turn the ignition switch OFF and wait for at least 15 minutes to remove the battery terminal.

#### **NOTE:**

## PRECAUTIONS

### < PRECAUTION >

- Turbocharger cooling pump may operate in a few minutes after the ignition switch is turned OFF.
- Example of high-load driving
  - Driving for 30 minutes or more at 140 km/h (86 MPH) or more.
  - Driving for 30 minutes or more on a steep slope.
- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

**NOTE:**

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

**NOTE:**

The removal of 12V battery may cause a DTC detection error.

### Service

INFOID:0000000012172850

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