

SECTION **SRC**

SRS AIRBAG CONTROL SYSTEM

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FOR USA AND CANADA

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[FOR USA AND CANADA]

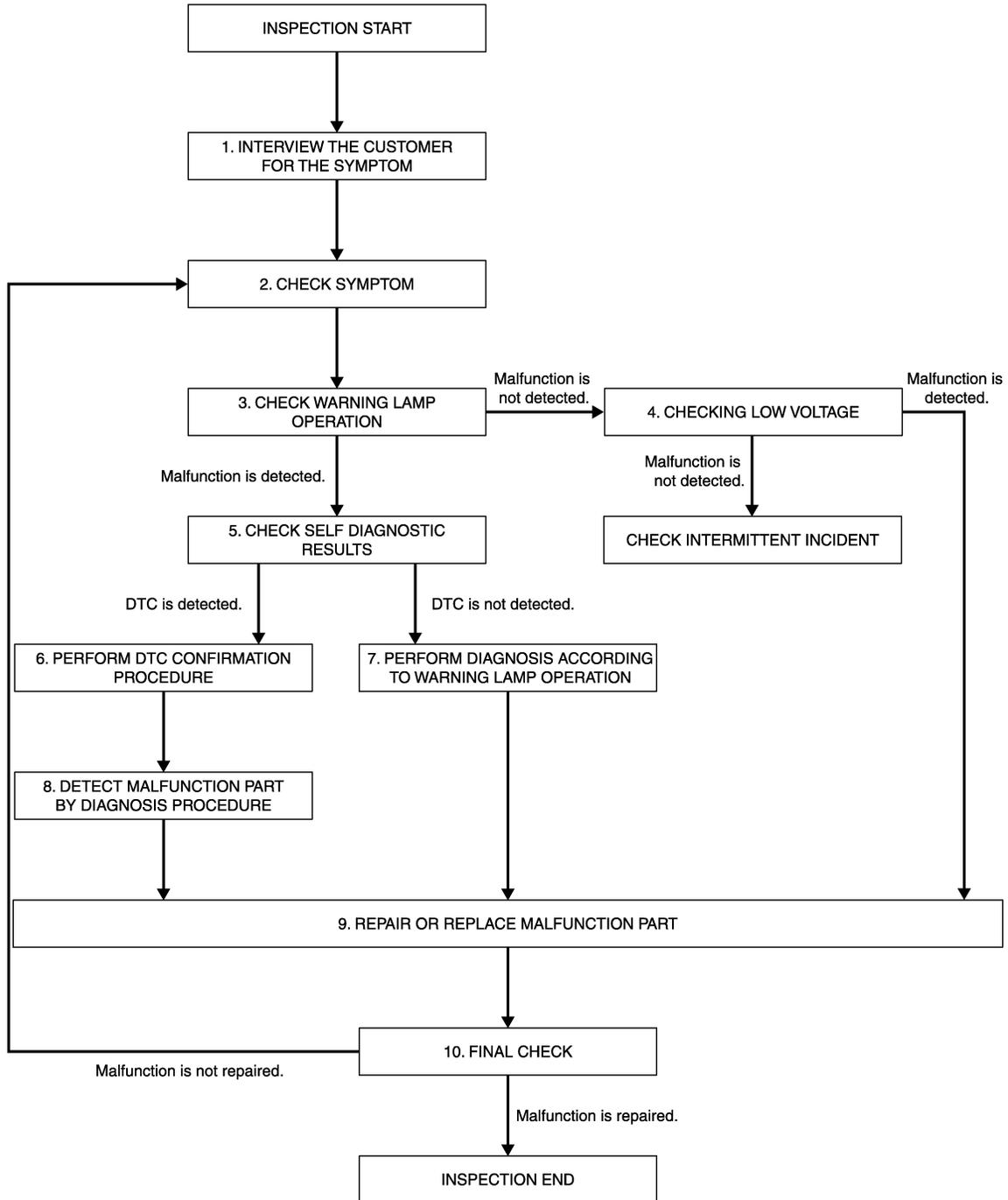
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

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OVERALL SEQUENCE



JMHIA1324GB

DETAILED FLOW

Revision: 2013 August

SRC-4

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[FOR USA AND CANADA]

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-15, "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-44, "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-15, "On Board Diagnosis Function"](#).
2. Perform Diagnosis Procedure for the air bag warning lamp operation. Refer to [SRC-15, "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

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

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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?

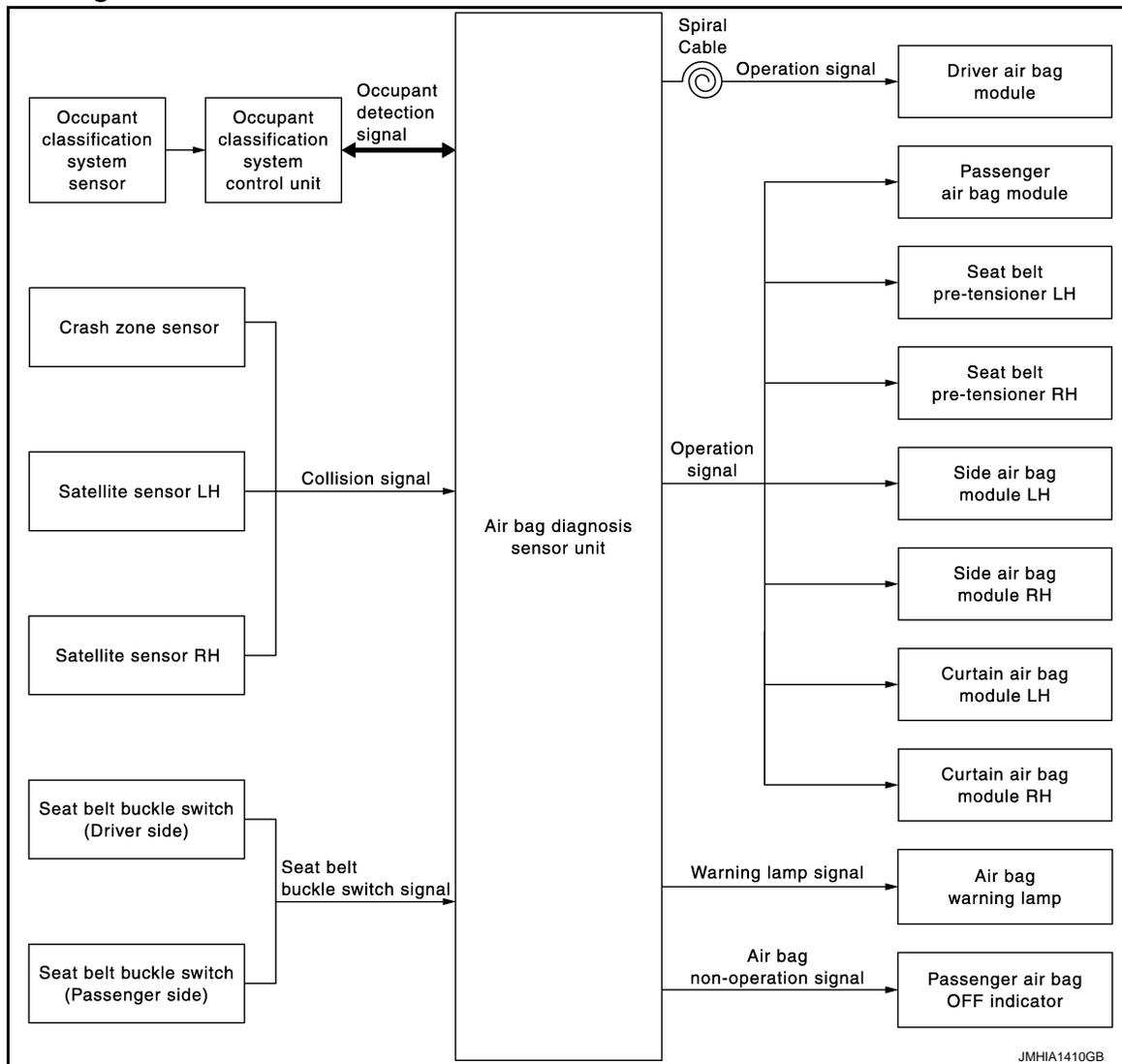
YES >> INSPECTION END

NO >> GO TO 2.

SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

System Diagram



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System Description

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

Air bag diagnosis 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, 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 diagnosis sensor unit, air bag module ignites pyrotechnic material using electric igniter (squib) so that gas generating material generates high temperature nitrogen gas. The gas through filter activates air bag and seat belt pre-tensioner.

AIR BAG DIAGNOSIS SENSOR UNIT FUNCTIONS

Air bag diagnosis sensor unit has the following functions.

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

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SRS AIR BAG SYSTEM

[FOR USA AND CANADA]

< SYSTEM DESCRIPTION >

- Indicates malfunctioning portion with blinking times of air bag warning lamp in diagnosis mode.
- Indicates the malfunction record via CONSULT.
- Suppresses the deployment of passenger air bag when passenger seat is empty or occupied by child or child-seat.
- When passenger seat is occupied by child or child seat, turns ON passenger air bag OFF indicator.
- When judges that passenger seat is occupied by a adult or a child and passenger seat belt is not fasten, turns ON seat belt warning lamp. Further information for the seat belt warning system, refer to [SRC-13, "System Description"](#).

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

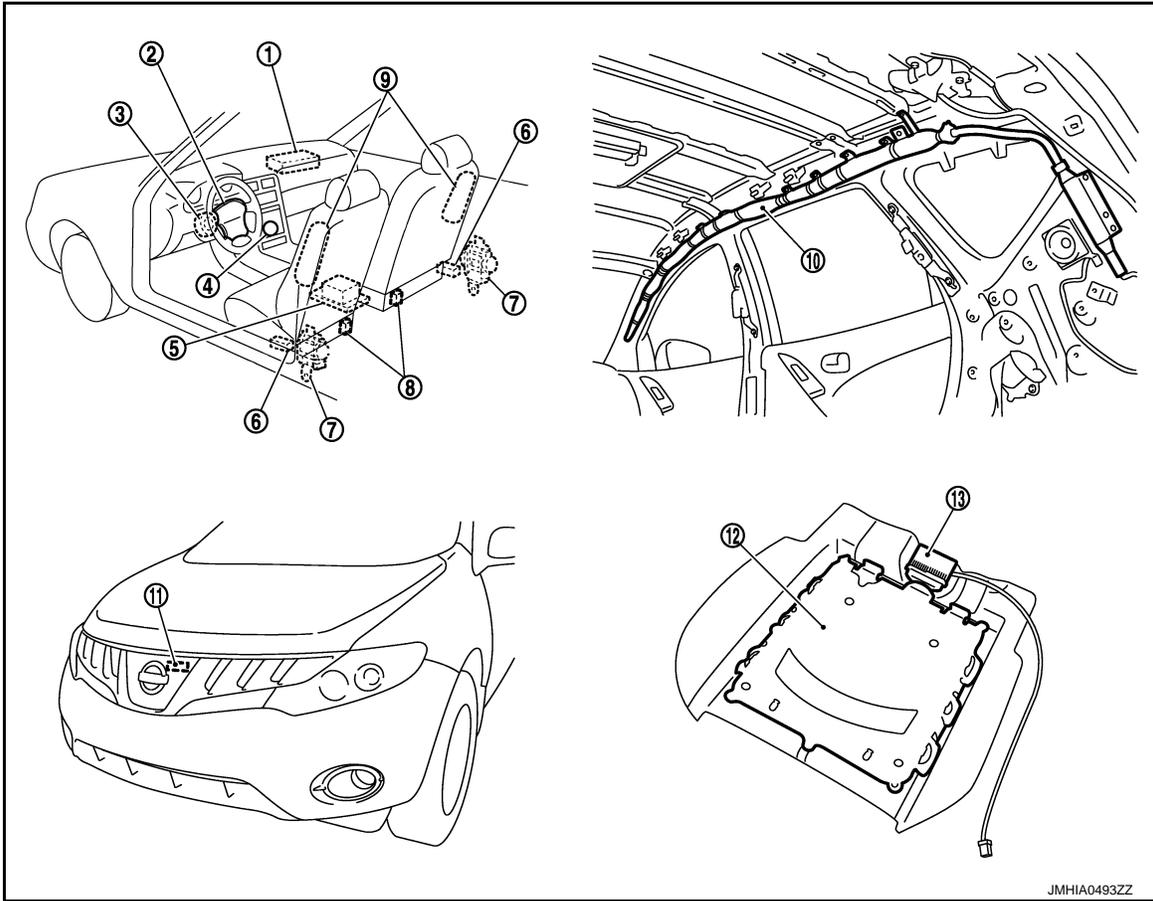
SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

[FOR USA AND CANADA]

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 | | |

Component Description

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Component	Function
Air bag diagnosis sensor unit	Detects a collision and supplies power supply for deployment to air bag module and pre-tensioner seat belt.
Air bag module <ul style="list-style-type: none"> • Driver • Passenger • Side • Curtain 	Receives signal from air bag diagnosis sensor unit and deploys air bag.
Seat belt pre-tensioner	Receives signal from air bag diagnosis sensor unit and deploys seat belt pre-tensioner.
Seat belt buckle switch	Controls deployment timing based on seat belt fastened or unfastened condition.
Crash zone sensor	Transmits signal to air bag diagnosis sensor unit when a frontal collision occurs.

SRS AIR BAG SYSTEM

[FOR USA AND CANADA]

< SYSTEM DESCRIPTION >

Component	Function
Satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.
Occupant Classification System control unit	Detects passenger seat occupant and judges whether or not passenger seat air bag is deployed.
Combination meter (air bag warning lamp)	Indicates air bag malfunctioning and deployment by blinking and illuminating air bag warning lamp.
Passenger air bag OFF indicator	Indicates whether or not passenger air bag is in the activation mode based on the judgement of Occupant Classification System.
Combination switch (spiral cable)	Supplies power supply to driver air bag module on steering wheel.

OCCUPANT CLASSIFICATION SYSTEM

< SYSTEM DESCRIPTION >

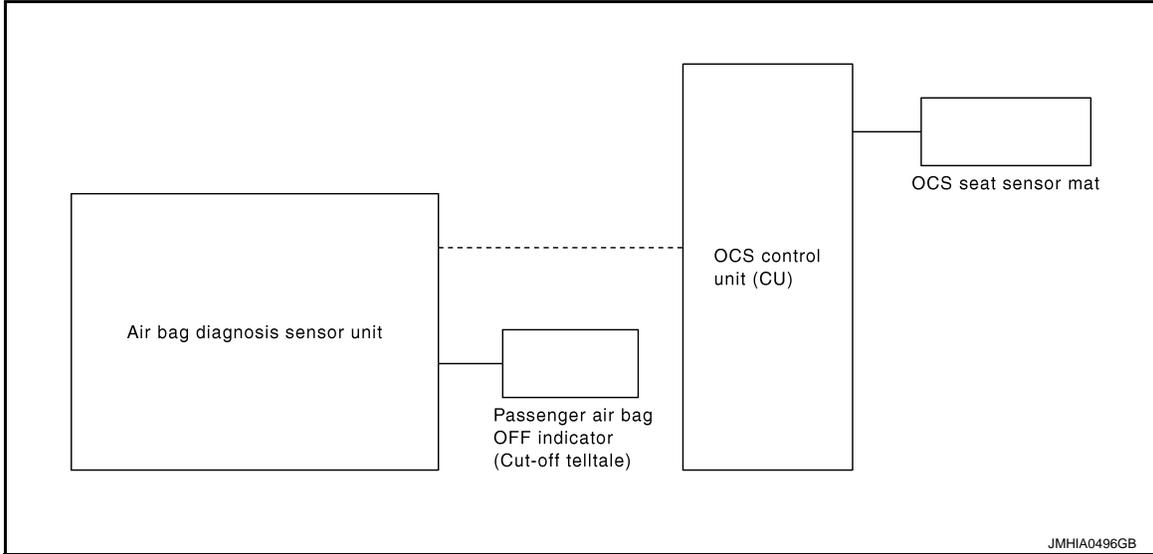
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OCCUPANT CLASSIFICATION SYSTEM

System Diagram

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OCCUPANT CLASSIFICATION SYSTEM



System Description

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

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

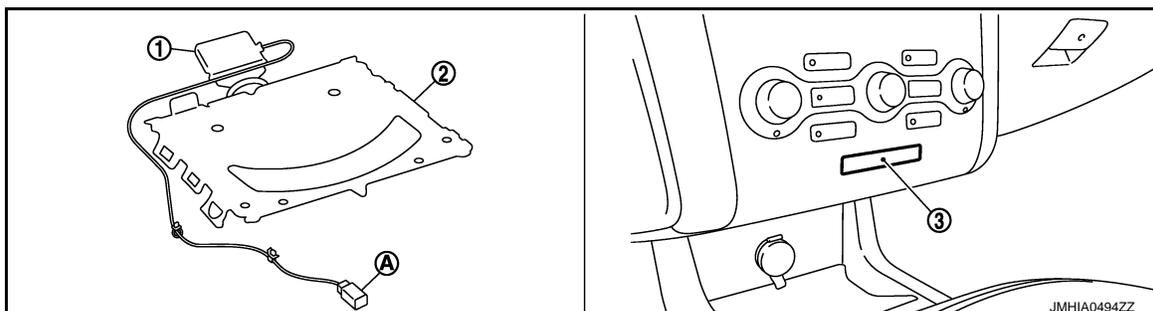
NOTE:

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

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

Component Parts Location

INFOID:000000009718471



OCCUPANT CLASSIFICATION SYSTEM

< SYSTEM DESCRIPTION >

[FOR USA AND CANADA]

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

Component Description

INFOID:000000009718472

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

PASSENGER SEAT BELT WARNING SYSTEM

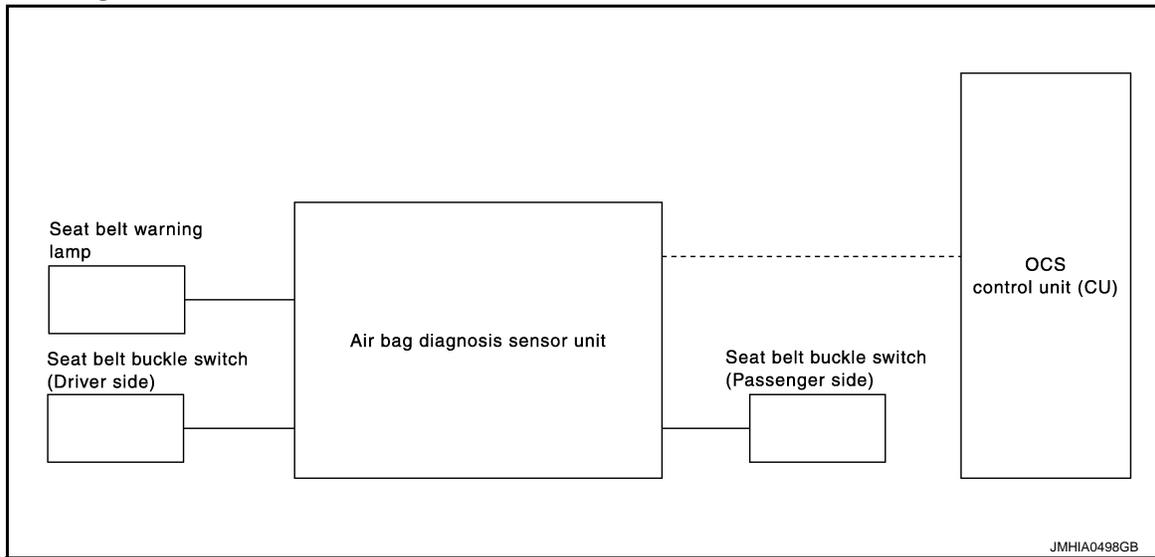
< SYSTEM DESCRIPTION >

[FOR USA AND CANADA]

PASSENGER SEAT BELT WARNING SYSTEM

System Diagram

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System Description

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This Passenger Seat Belt Warning System has the following function.

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.

NOTE:

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.

NOTE:

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

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

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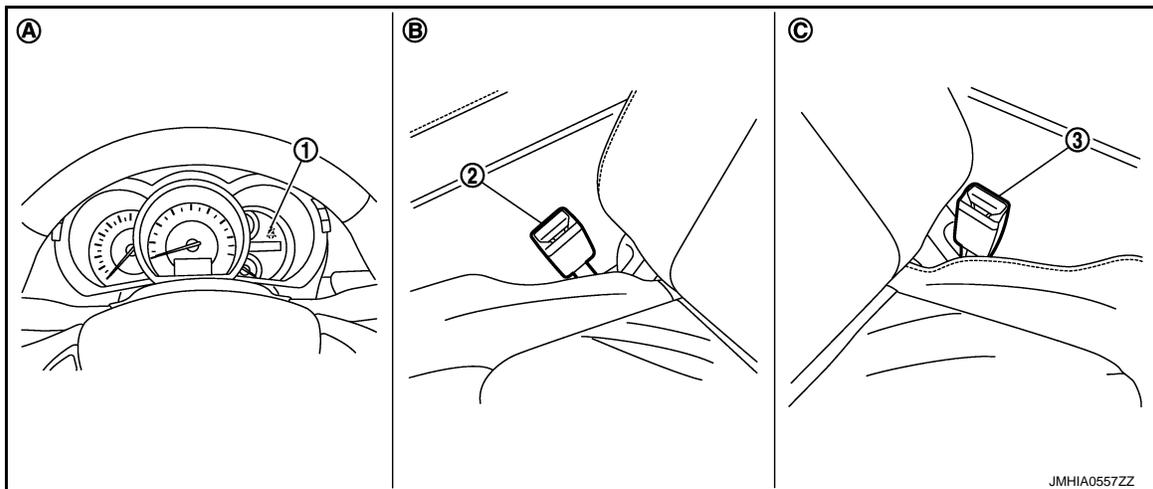
PASSENGER SEAT BELT WARNING SYSTEM

< SYSTEM DESCRIPTION >

[FOR USA AND CANADA]

Component Parts Location

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

Component Description

INFOID:000000009718476

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

DIAGNOSIS SYSTEM (AIRBAG)

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.

x: Application, —: Not application

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

On Board Diagnosis Function

INFOID:000000009718478

ON-BOARD DIAGNOSIS

There are two self diagnosis functions with air bag warning lamp as 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.

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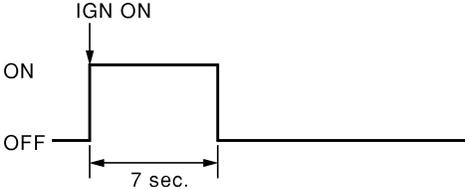
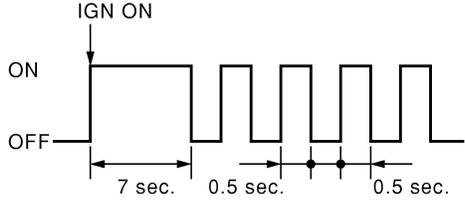
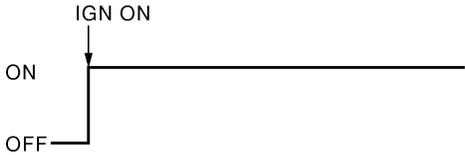
DIAGNOSIS SYSTEM (AIRBAG)

[FOR USA AND CANADA]

< 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
 <p style="text-align: right;">SHIA0011E</p>	<ul style="list-style-type: none"> No malfunction is detected No further action is necessary 	<p>Change to Diagnosis mode is not possible when the system is normal.</p>
 <p style="text-align: right;">SHIA0012E</p>	<p>The system is malfunctioning</p>	<p>Refer to SRC-20, "CONSULT Function" or "DIAGNOSIS MODE"</p>
 <p style="text-align: right;">SHIA0013E</p>	<ul style="list-style-type: none"> Air bag is deployed Seat belt pre-tensioner is deployed 	<p>Refer to SRC-57, "Diagnosis Procedure", SRC-58, "Diagnosis Procedure", or SRC-59, "Diagnosis Procedure"</p>
	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is malfunctioning Air bag power supply circuit is malfunctioning Air bag warning lamp circuit is malfunctioning <p>Battery voltage is low (less than 9 V, or 16 V or more)</p>	<p>Refer to SRC-79, "Diagnosis Procedure"</p> <p>Refer to "BATTERY LOW VOLTAGE DETECTION" or "BATTERY HIGH VOLTAGE DETECTION"</p>
 <p style="text-align: right;">SHIA0014E</p>	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is malfunctioning Air bag warning lamp circuit is malfunctioning 	<p>Refer to SRC-80, "Diagnosis Procedure"</p>

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

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 SYSTEM (AIRBAG)

[FOR USA AND CANADA]

< SYSTEM DESCRIPTION >

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 high 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 seconds blinks followed by a 0.5 seconds blink repeated.
 - Side air bag system: Three 1.5 seconds blinks followed by a 0.5 seconds blink repeated.
 - Air bag control unit system: 3 seconds blink followed by a 0.5 seconds blink repeated.
 - Sensor system: Two 3 seconds blinks followed by a 0.5 seconds 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
12	Other satellite sensor

How to Erase Self-diagnostic Result

DIAGNOSIS SYSTEM (AIRBAG)

[FOR USA AND CANADA]

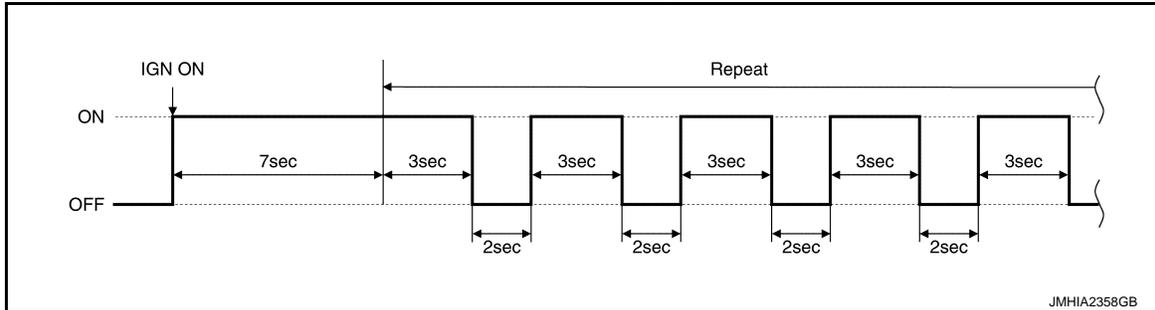
< SYSTEM DESCRIPTION >

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

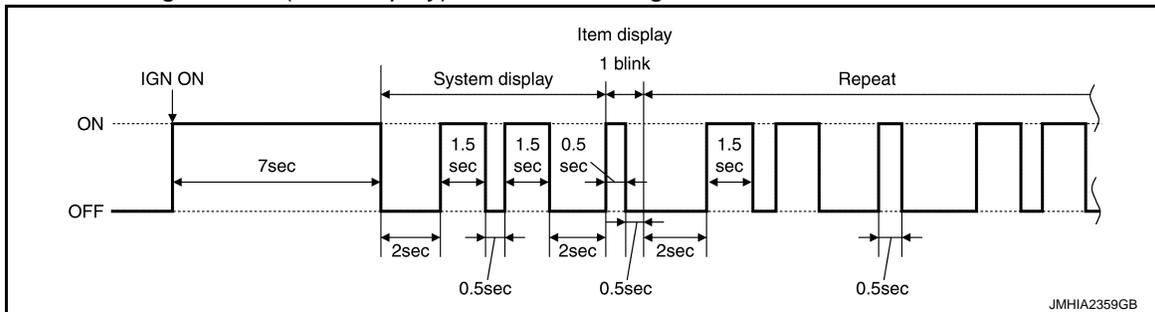
When the system is normal and "PAST" displayed in "Self Diagnostic Result".



Single System Malfunction

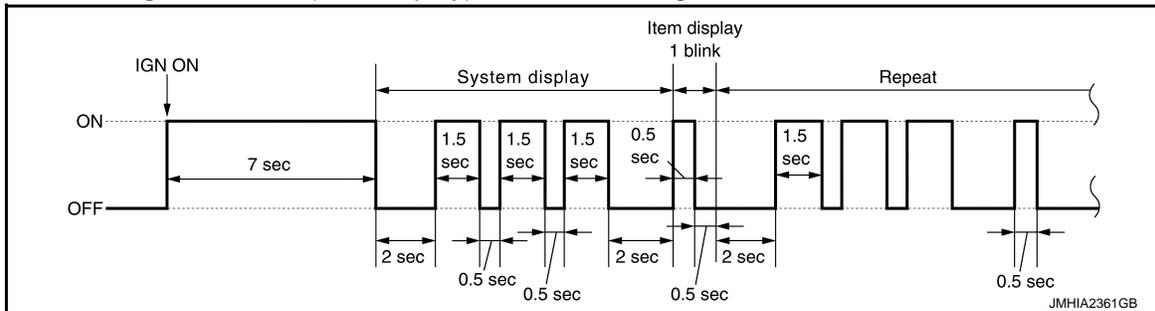
- Front air bag system

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



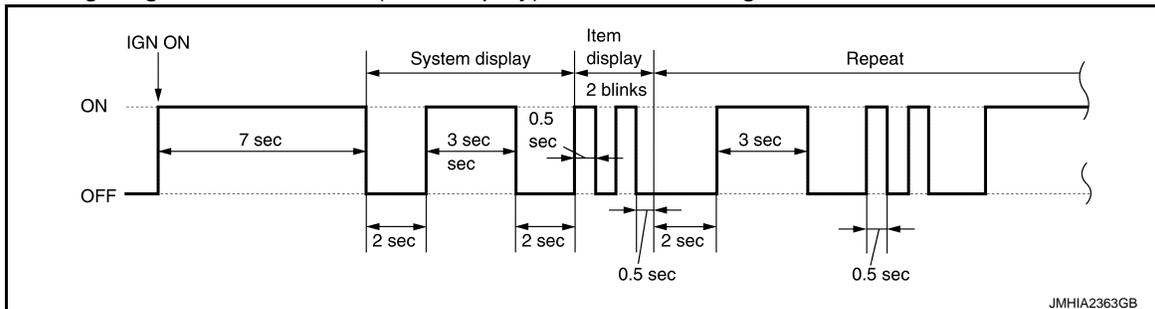
- Side air bag system

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.



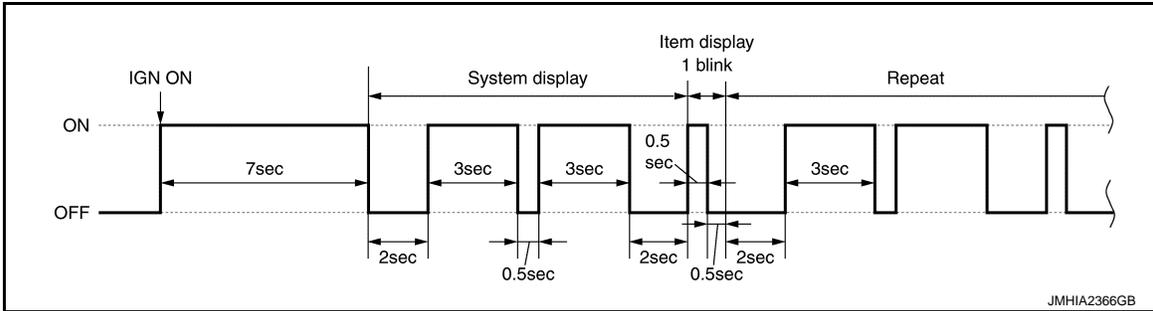
- Sensor system

DIAGNOSIS SYSTEM (AIRBAG)

[FOR USA AND CANADA]

< SYSTEM DESCRIPTION >

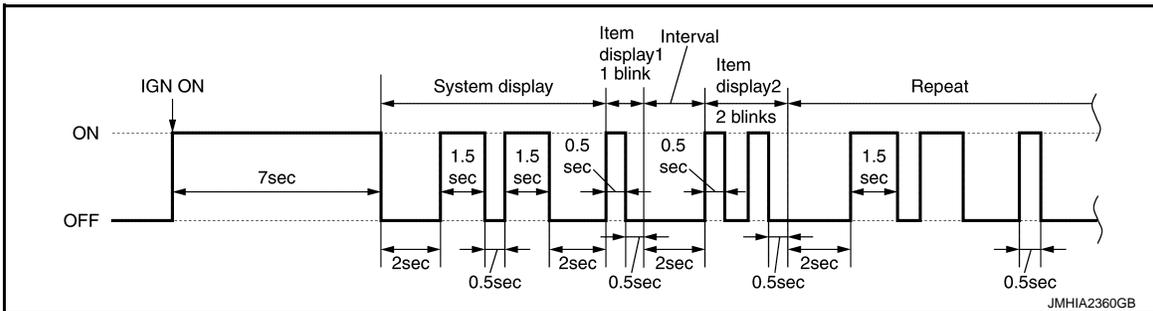
When crash zone sensor (Item display) is malfunctioning.



Multiple Systems Malfunction

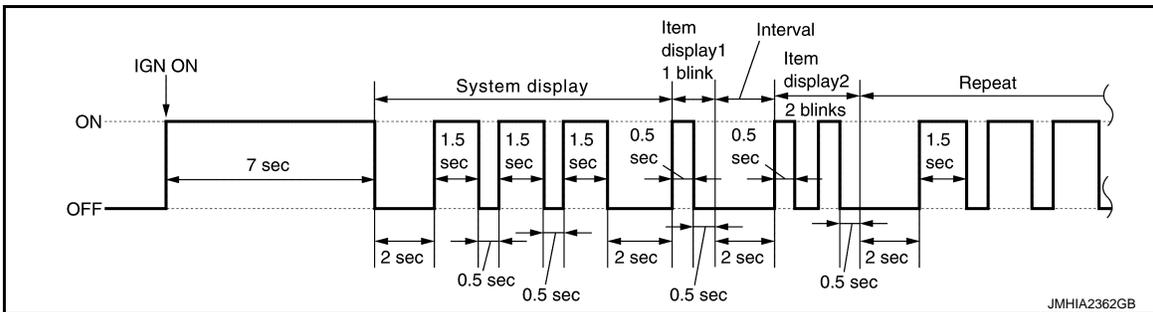
- Front air bag system

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



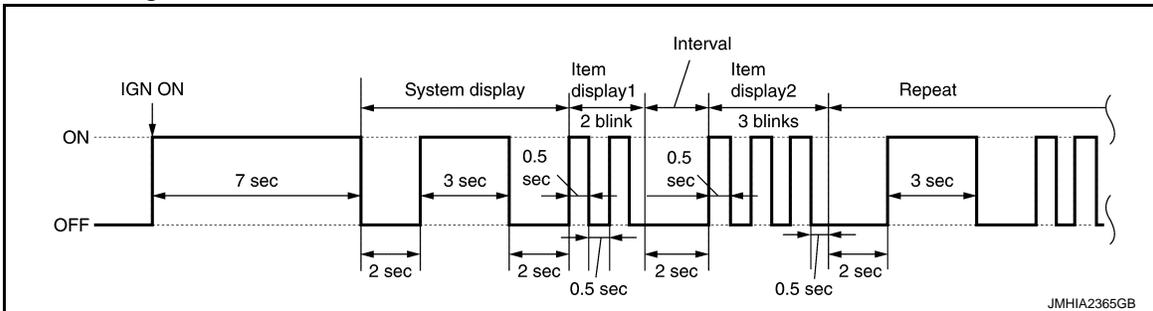
- Side air bag system

When side air bag module LH (Item display 1) and side air bag module RH (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

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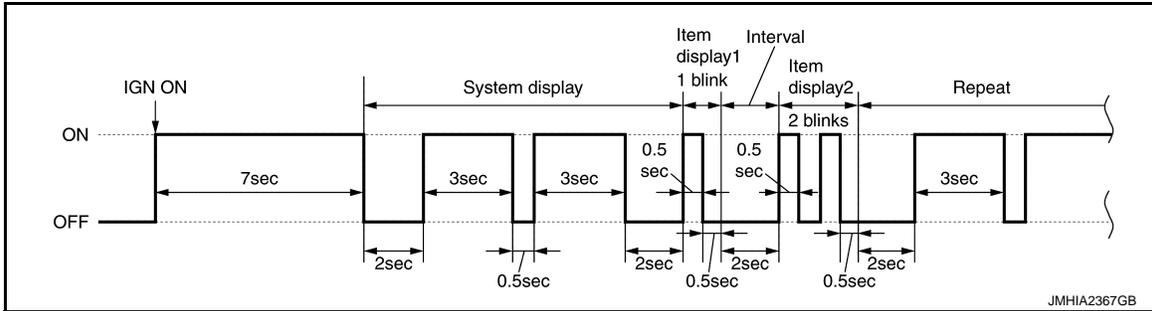
SRC

DIAGNOSIS SYSTEM (AIRBAG)

< SYSTEM DESCRIPTION >

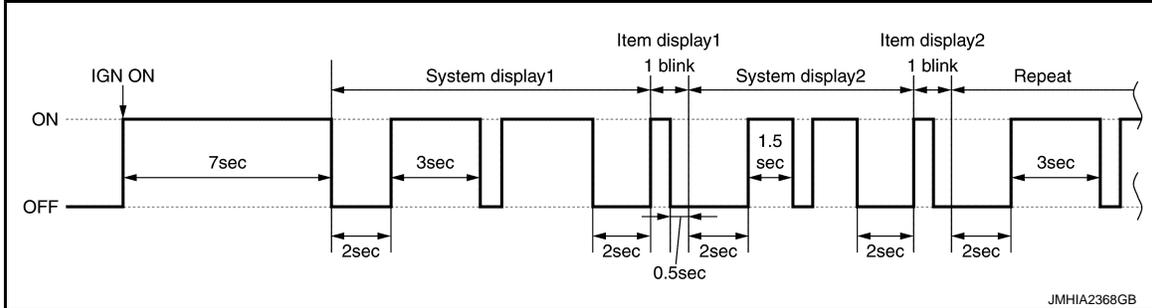
[FOR USA AND CANADA]

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



CONSULT Function

INFOID:000000009718479

APPLICATION ITEM

CONSULT performs the following functions.

Diagnosis mode	Description
Self Diagnostic Result	<ul style="list-style-type: none"> • Self-diagnosis result is displayed. • "No DTC" is displayed when repair is completed by part replacement or other operations. • "SELF-DIAG RESULT [MEMORY]" is displayed until "Erase" performed.
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-67, "DTC Index"](#).

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

Description

INFOID:000000009718480

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-28, "CAN System Specification Chart"](#).

DTC Logic

INFOID:000000009718481

DTC DETECTION LOGIC

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

Diagnosis Procedure

INFOID:000000009718482

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" displayed?

- YES >> Refer to [LAN-18, "Trouble Diagnosis Flow Chart"](#).
 NO >> Refer to [GI-44, "Intermittent Incident"](#).

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U1010 CONTROL UNIT (CAN)

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

U1010 CONTROL UNIT (CAN)

DTC Logic

INFOID:000000009718483

DTC DETECTION LOGIC

DTC	CONSULT screen items	DTC Detection Condition	Possible cause
U1010	CONTROL UNIT (CAN)	Air bag diagnosis sensor unit detected internal CAN communication circuit malfunction.	Air bag diagnosis sensor unit

Diagnosis Procedure

INFOID:000000009718484

1. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

When DTC "U1010" is detected, replace air bag diagnosis sensor unit.

>> Replace air bag diagnosis sensor unit. Refer to [SR-26. "Removal and Installation"](#).

B0001 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B0001 DRIVER AIR BAG MODULE

DTC Logic

INFOID:000000009718485

DTC DETECTION LOGIC

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

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-15, "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-23, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718486

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?

B0001 DRIVER AIR BAG MODULE

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

- 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?

- [OPEN] >> GO TO 4.
[VB-SHORT] >> GO TO 8.
[GND-SHORT]>> GO TO 5.
[SHORT] >> 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	
M350	10	M32	28	Existed
	11		30	
M351	9		29	
	12			

Is the inspection result normal?

- YES >> GO TO 9.
NO >> Replace combination switch (spiral cable). Refer to [SR-15, "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		
M350	10		Not existed
	11		
M351	9		
	12		

Is the inspection result normal?

- YES >> GO TO 9.
NO >> Replace combination switch (spiral cable). Refer to [SR-15, "Removal and Installation"](#).

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.

B0001 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

Combination switch (spiral cable)			Continuity
Connector	Terminal		
M350	10	11	Not existed
M351	9	12	

Is the inspection result normal?

YES >> GO TO 7.

NO >> Replace combination switch (spiral cable). Refer to [SR-15, "Removal and Installation"](#).

7. CHECK SPIRAL CABLE CIRCUIT 4

Check continuity between combination switch (spiral cable) terminals.

Combination switch (spiral cable)			Continuity
Connector	Terminal		
M32	28	30	Not existed
	29		

Is the inspection result normal?

YES >> GO TO 9.

NO >> Replace combination switch (spiral cable). Refer to [SR-15, "Removal and Installation"](#).

8. REPLACE COMBINATION SWITCH (SPIRAL CABLE)

1. Replace combination switch (spiral cable). Refer to [SR-15, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-23, "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-12, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-23, "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-26, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-23, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B0002 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B0002 DRIVER AIR BAG MODULE

DTC Logic

INFOID:000000009718487

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause	
B0002	DRIVER AIRBAG MODULE 2 [Driver Frontal Stage 2 Deployment Control (Sub-fault)]	[OPEN]	Driver air bag module circuit is open (including the spiral cable)	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of driver air bag module • Internal malfunction of air bag diagnosis sensor unit
		[VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)	<ul style="list-style-type: none"> • 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
		[GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	<ul style="list-style-type: none"> • 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
		[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)	<ul style="list-style-type: none"> • 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-15, "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-26, "Diagnosis Procedure"](#).

NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718488

WARNING:

B0002 DRIVER AIR BAG MODULE

[FOR USA AND CANADA]

< 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.

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?

[OPEN] >> GO TO 4.

[VB-SHORT] >> GO TO 8.

[GND-SHORT]>> GO TO 5.

[SHORT] >> 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	
M350	10	M32	28	Existed
	11		30	
M351	9		29	
	12			

Is the inspection result normal?

YES >> GO TO 9.

NO >> Replace combination switch (spiral cable). Refer to [SR-15, "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		
M350	10	Ground	Not existed
	11		
M351	9		
	12		

Is the inspection result normal?

YES >> GO TO 9.

B0002 DRIVER AIR BAG MODULE

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

NO >> Replace combination switch (spiral cable). Refer to [SR-15. "Removal and Installation"](#).

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		
M350	10	11	Not existed
M351	9	12	

Is the inspection result normal?

YES >> GO TO 7.

NO >> Replace combination switch (spiral cable). Refer to [SR-15. "Removal and Installation"](#).

7. CHECK SPIRAL CABLE CIRCUIT 4

Check continuity between combination switch (spiral cable) terminals.

Combination switch (spiral cable)			Continuity
Connector	Terminal		
M32	28	30	Not existed
	29		

Is the inspection result normal?

YES >> GO TO 9.

NO >> Replace combination switch (spiral cable). Refer to [SR-15. "Removal and Installation"](#).

8. REPLACE COMBINATION SWITCH (SPIRAL CABLE)

1. Replace combination switch (spiral cable). Refer to [SR-15. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-26. "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-12. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-26. "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-26. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-26. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B0010 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B0010 PASSENGER AIR BAG MODULE

DTC Logic

INFOID:000000009718489

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0010	ASSIST A/B MODULE [Passenger Frontal Stage 1 Deployment Control (Sub- fault)]	[OPEN]	Passenger air bag module circuit is open
		[VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit
		[GND-SHORT]	Passenger air bag module circuit is shorted to ground
		[SHORT]	Passenger air bag module circuits are shorted to each other
			<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of passenger air bag module • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of passenger air bag module • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of passenger air bag module • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit of harness and connector • Internal malfunction of passenger 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-15, "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-29, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718490

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?

B0010 PASSENGER AIR BAG MODULE

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

- 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-18, "Removal and Installation"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-29, "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-26, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-29, "DTC Logic"](#).

Is DTC detected?

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

B0011 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B0011 PASSENGER AIR BAG MODULE

DTC Logic

INFOID:000000009718491

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0011	ASSIST A/B MODULE 2 [Passenger Frontal Stage 2 Deployment Control (Sub- fault)]	[OPEN]	Passenger air bag module circuit is open	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of passenger air bag module • Internal malfunction of air bag diagnosis sensor unit
		[VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of passenger air bag module • Internal malfunction of air bag diagnosis sensor unit
		[GND-SHORT]	Passenger air bag module circuit is shorted to ground	<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of passenger air bag module • Internal malfunction of air bag diagnosis sensor unit
		[SHORT]	Passenger air bag module circuits are shorted to each other	<ul style="list-style-type: none"> • Connection malfunction or short circuit of harness and connector • Internal malfunction of passenger 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-15, "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

B0011 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

Diagnosis Procedure

INFOID:00000009718492

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 PASSENGER AIR BAG MODULE

1. Replace passenger air bag module. Refer to [SR-18, "Removal and Installation"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-31, "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-26, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-31, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B0020 SIDE AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B0020 SIDE AIR BAG MODULE

DTC Logic

INFOID:000000009718493

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0020	SIDE A/B MODULE LH [Left Side Airbag Deployment Control (Subfault)]	[OPEN]	Side air bag module LH circuit is open	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of side air bag module LH • Internal malfunction of air bag diagnosis sensor unit
		[VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit	<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of side air bag module LH • Internal malfunction of air bag diagnosis sensor unit
		[GND-SHORT]	Side air bag module LH circuit is shorted to ground	<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of side air bag module LH • Internal malfunction of air bag diagnosis sensor unit
		[SHORT]	Side air bag module LH circuits are shorted to each other	<ul style="list-style-type: none"> • Connection malfunction or short circuit of harness and connector • Internal malfunction of side air bag module LH • 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-15, "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-33, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718494

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?

B0020 SIDE AIR BAG MODULE

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

- 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 LH

1. Replace side air bag module LH. Refer to [SE-98, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-33, "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-26, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-33, "DTC Logic"](#).

Is DTC detected?

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

B0021 CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B0021 CURTAIN AIR BAG MODULE

DTC Logic

INFOID:000000009718495

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0021	CURTAIN A/B MODULE LH [Left Curtain Deployment Control 1 (Subfault)]	[OPEN]	Curtain air bag module LH circuit is open
		[VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuit
		[GND-SHORT]	Curtain air bag module LH circuit is shorted to ground
		[SHORT]	Curtain air bag module LH circuits are shorted to each other
			<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of curtain air bag module LH • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of curtain air bag module LH • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of curtain air bag module LH • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit of harness and connector • Internal malfunction of curtain air bag module LH • 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-15, "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-35, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718496

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?

B0021 CURTAIN AIR BAG MODULE

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

- 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 LH

1. Replace curtain air bag module LH. Refer to [SR-20, "Removal and Installation"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-35, "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-26, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-35, "DTC Logic"](#).

Is DTC detected?

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

B0028 SIDE AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B0028 SIDE AIR BAG MODULE

DTC Logic

INFOID:000000009718497

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause	
B0028	SIDE A/B MODULE RH [Right Side Airbag Deployment Control 1 (Subfault)]	[OPEN]	Side air bag module RH circuit is open	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of side air bag module RH • Internal malfunction of air bag diagnosis sensor unit
		[VB-SHORT]	Side air bag module RH circuit is shorted to power supply circuit	<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of side air bag module RH • Internal malfunction of air bag diagnosis sensor unit
		[GND-SHORT]	Side air bag module RH circuit is shorted to ground	<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of side air bag module RH • Internal malfunction of air bag diagnosis sensor unit
		[SHORT]	Side air bag module RH circuits are shorted to each other	<ul style="list-style-type: none"> • Connection malfunction or short circuit of harness and connector • Internal malfunction of side air bag module RH • 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-15, "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-37, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718498

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?

B0028 SIDE AIR BAG MODULE

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

- 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 RH

1. Replace side air bag module RH. Refer to [SE-98, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-37, "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-26, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-37, "DTC Logic"](#).

Is DTC detected?

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

B0029 CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B0029 CURTAIN AIR BAG MODULE

DTC Logic

INFOID:000000009718499

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0029	CURTAIN A/B MODULE RH [Right Curtain Deployment Control 1 (Subfault)]	[OPEN]	Curtain air bag module RH circuit is open	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of curtain air bag module RH • Internal malfunction of air bag diagnosis sensor unit
		[VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit	<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of curtain air bag module RH • Internal malfunction of air bag diagnosis sensor unit
		[GND-SHORT]	Curtain air bag module RH circuit is shorted to ground	<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of curtain air bag module RH • Internal malfunction of air bag diagnosis sensor unit
		[SHORT]	Curtain air bag module RH circuits are shorted to each other	<ul style="list-style-type: none"> • Connection malfunction or short circuit of harness and connector • Internal malfunction of curtain air bag module RH • 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-15, "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-39, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718500

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?

B0029 CURTAIN AIR BAG MODULE

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

- 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 RH

1. Replace curtain air bag module RH. Refer to [SR-20, "Removal and Installation"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-39, "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-26, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-39, "DTC Logic"](#).

Is DTC detected?

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

B0091 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B0091 SATELLITE SENSOR

DTC Logic

INFOID:000000009718501

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause	
B0091	B-PILLAR SAT SEN LH [Left Side Restraints Sensor 1 (Subfault)]	[RESET]	Reset malfunction of B-pillar satellite sensor LH	<ul style="list-style-type: none"> • Connection malfunction of harness or connector • Internal malfunction of B-pillar satellite sensor LH • Internal malfunction of air bag diagnosis sensor unit
		[COMM ERR]	Communication malfunction of B-pillar satellite sensor LH	
		[OPEN]	B-pillar satellite sensor LH circuit is open	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of B-pillar satellite sensor LH • Internal malfunction of air bag diagnosis sensor unit
		[UNMATCH]	B-pillar satellite sensor LH is out of the specified specification	Air bag diagnosis sensor unit and B-pillar satellite sensor LH is different from the part specified
		[OFFSET ERR]	Offset malfunction of B-pillar satellite sensor LH	<ul style="list-style-type: none"> • Internal malfunction of B-pillar satellite sensor LH • Internal malfunction of air bag diagnosis sensor unit
		[SELF-DIAG ERR]	Diagnosis malfunction of B-pillar satellite sensor LH	
		[LOWER LIMIT ERR]	Lower limit value malfunction of B-pillar satellite sensor LH	
		[UPPER LIMIT ERR]	Upper limit value malfunction of B-pillar satellite sensor LH	
		[GND-SHORT]	B-pillar satellite sensor LH circuit is shorted to ground	<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of B-pillar satellite sensor LH • 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-15, "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?

B0091 SATELLITE SENSOR

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

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

Diagnosis Procedure

INFOID:000000009718502

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?

- [UNMATCH] >> 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 LH

1. Replace B-pillar satellite sensor LH. Refer to [SR-24, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-41, "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-26, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-41, "DTC Logic"](#).

Is DTC detected?

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

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B0094 CRASH ZONE SENSOR

DTC Logic

INFOID:000000009718503

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0094	CRASH ZONE SENS [Center Frontal Restraints Sensor (Subfault)]	[RESET]	Reset malfunction of Crash zone sensor
		[COMM ERR]	Communication malfunction of Crash zone sensor
		[OPEN]	Crash zone sensor circuit is open
		[UNMATCH]	Crash zone sensor is out of the specified specification
		[OFFSET ERR]	Offset malfunction of Crash zone sensor
		[SELF-DIAG ERR]	Diagnosis malfunction of Crash zone sensor
		[LOWER LIMIT ERR]	Lower limit value malfunction of Crash zone sensor
		[UPPER LIMIT ERR]	Upper limit value malfunction of Crash zone sensor
		[GND-SHORT]	Crash zone sensor circuit is shorted to ground
			<ul style="list-style-type: none"> • Connection malfunction of harness or connector • Internal malfunction of Crash zone sensor • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of Crash zone sensor • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Internal malfunction of Crash zone sensor • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of Crash zone sensor • 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-15, "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-44, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

B0094 CRASH ZONE SENSOR

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

Diagnosis Procedure

INFOID:000000009718504

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?

[UNMATCH] >>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-22, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-43, "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-26, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-43, "DTC Logic"](#).

Is DTC detected?

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

B0096 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B0096 SATELLITE SENSOR

DTC Logic

INFOID:000000009718505

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause	
B0096	B-PILLAR SAT SEN RH [Right Frontal Restraints Sensor 1(Subfault)]	[RESET]	Reset malfunction of B-pillar satellite sensor RH	<ul style="list-style-type: none"> • Connection malfunction of harness or connector • Internal malfunction of B-pillar satellite sensor RH • Internal malfunction of air bag diagnosis sensor unit
		[COMM ERR]	Communication malfunction of B-pillar satellite sensor RH	
		[OPEN]	B-pillar satellite sensor RH circuit is open	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of B-pillar satellite sensor RH • Internal malfunction of air bag diagnosis sensor unit
		[UNMATCH]	B-pillar satellite sensor RH is out of the specified specification	
		[OFFSET ERR]	Offset malfunction of B-pillar satellite sensor RH	<ul style="list-style-type: none"> • Internal malfunction of B-pillar satellite sensor RH • Internal malfunction of air bag diagnosis sensor unit
		[SELF-DIAG ERR]	Diagnosis malfunction of B-pillar satellite sensor RH	
		[LOWER LIMIT ERR]	Lower limit value malfunction of B-pillar satellite sensor RH	
		[UPPER LIMIT ERR]	Upper limit value malfunction of B-pillar satellite sensor RH	
[GND-SHORT]	B-pillar satellite sensor RH circuit is shorted to ground	<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of B-pillar satellite sensor RH • 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-15, "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?

B0096 SATELLITE SENSOR

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

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

Diagnosis Procedure

INFOID:000000009718506

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?

[UNMATCH] >> 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 RH

1. Replace B-pillar satellite sensor RH. Refer to [SR-24. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-45. "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-26. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-45. "DTC Logic"](#).

Is DTC detected?

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

B0099 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B0099 SATELLITE SENSOR

DTC Logic

INFOID:000000009718507

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0099	SATELLITE SENSOR [Roll Over Sensor (Sub-fault)]	[RESET]	Reset malfunction of other satellite sensor
		[COMM ERR]	Communication malfunction of other satellite sensor
		[OPEN]	Other satellite sensor circuit is open
		[UNMATCH]	Other satellite sensor is out of the specified specification
		[OFFSET ERR]	Offset malfunction of other satellite sensor
		[SELF-DIAG ERR]	Diagnosis malfunction of other satellite sensor
		[LOWER LIMIT ERR]	Lower limit value malfunction of other satellite sensor
		[UPPER LIMIT ERR]	Upper limit value malfunction of other satellite sensor
		[GND-SHORT]	Other satellite sensor circuit is shorted to ground
			<ul style="list-style-type: none"> • Connection malfunction of harness or connector • Internal malfunction of other satellite sensor • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of other satellite sensor • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Internal malfunction of other satellite sensor • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of other satellite sensor • 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-15, "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-48, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

B0099 SATELLITE SENSOR

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

Diagnosis Procedure

INFOID:00000009718508

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 SATELLITE SENSOR

1. Replace satellite sensor. Refer to [SR-24, "Removal and Installation"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-47, "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-26, "Removal and Installation"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-47, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

DTC Logic

INFOID:000000009718509

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B00A0	OCCUPANT SENS [Occupant Classification System (Subfault)]	[ABNORMAL VOLTAGE]	Power supply malfunction of occupant classification sensor	<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness or connector • Internal malfunction of occupant classification sensor • Internal malfunction of air bag diagnosis sensor unit
		[UNIT MAL-FUNC]	Malfunction of occupant classification sensor	<ul style="list-style-type: none"> • Connection malfunction of harness and connector • Internal malfunction of occupant classification sensor • Internal malfunction of air bag diagnosis sensor unit
	OCCUPANT SENS C/U [Occupant Classification System (Subfault)]	[RESET]	Reset malfunction of occupant classification sensor control unit	<ul style="list-style-type: none"> • Connection malfunction of harness and connector • Internal malfunction of occupant classification sensor control unit • Internal malfunction of air bag diagnosis sensor unit
		[UNIT MAL-FUNC]	Malfunction of occupant classification sensor control unit	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of occupant classification sensor control unit • Internal malfunction of air bag diagnosis sensor unit
		[COMM ERR]	<ul style="list-style-type: none"> • Communication malfunction of occupant classification sensor control unit • Communication blank of occupant classification sensor control unit 	
		[UNDEFINED]	Undefined status of occupant classification sensor control 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-15, "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-50, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

Diagnosis Procedure

INFOID:00000009718510

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-29, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-49, "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-98, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-49, "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-26, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-49, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

DTC Logic

INFOID:000000009718511

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B00D5	PASS A/B INDCTR CKT [Restraint System Passenger Disable Indicator (Sub-fault)]	[UNIT MAL-FUNC]	Malfunction of passenger air bag indicator circuit	<ul style="list-style-type: none"> • Connection malfunction of harness and connector • Internal malfunction of passenger air bag indicator • Internal malfunction of air bag diagnosis sensor unit
		[PWR-SHORT/OPEN]	Short circuit to power supply and open circuit of passenger air bag indicator circuit	<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply or open circuit of harness or connector • Internal malfunction of passenger air bag indicator • Internal malfunction of air bag diagnosis sensor unit
		[OPEN]	Passenger air bag indicator circuit is open	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of passenger air bag indicator • Internal malfunction of air bag diagnosis sensor unit
		[VB-SHORT]	Passenger air bag indicator circuit is shorted to power supply circuit	<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of passenger air bag indicator • Internal malfunction of air bag diagnosis sensor unit
		[GND-SHORT]	Passenger air bag indicator circuit is shorted to ground	<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of passenger air bag indicator • 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-15, "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-52, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

Diagnosis Procedure

INFOID:00000009718512

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. CHECK FRONT PASSENGER AIR BAG INDICATOR

1. Replace front passenger air bag indicator. Refer to [JP-15, "Removal and Installation"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-51, "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-26, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-51, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

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

DTC Logic

INFOID:000000009718513

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1400 B1401 B1402 B1403 B1404 B1405	CONTROL UNIT (air bag control unit internal trouble)	Air bag diagnosis sensor unit is malfunctioning	Malfunction in 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-15, "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:000000009718514

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-53, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

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

DTC Logic

INFOID:000000009718515

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1406 B1407 B1408 B1409 B1410	CONTROL UNIT (air bag control unit internal trouble)	Air bag diagnosis sensor unit is malfunctioning	Malfunction in 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-15, "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:000000009718516

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-54, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

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

DTC Logic

INFOID:000000009718517

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1411 B1412 B1413 B1414 B1415	CONTROL UNIT (air bag control unit internal trouble)	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

④ With CONSULT

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

④ Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-15, "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-55, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718518

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-55, "DTC Logic"](#).

Is DTC detected?

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

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

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

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

DTC Logic

INFOID:000000009718519

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1416 B1417 B1418 B1419 B1420	CONTROL UNIT (air bag control unit internal trouble)	Air bag diagnosis sensor unit is malfunctioning	Malfunction in 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-15, "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:000000009718520

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-56, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1421 FRONTAL COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1421 FRONTAL COLLISION DETECTION

DTC Logic

INFOID:000000009718521

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1421	FRONTAL COLLISION DETECTION (Firing Record, Frontal)	Driver air bag, passenger air bag and seat belt 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-15, "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-57, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718522

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-6, "FOR FRONTAL COLLISION : When SRS is activated in a collision"](#) or [SR-8, "FOR SIDE AND ROLLOVER COLLISION : When SRS is 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-57, "DTC Logic"](#).

B1422 SIDE COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1422 SIDE COLLISION DETECTION

DTC Logic

INFOID:000000009718523

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1422	SIDE COLLISION DETECTION (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-15, "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:000000009718524

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-6, "FOR FRONTAL COLLISION : When SRS is activated in a collision"](#) or [SR-8, "FOR SIDE AND ROLLOVER COLLISION : When SRS is 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-58, "DTC Logic"](#).

B1423 ROLLOVER DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1423 ROLLOVER DETECTION

DTC Logic

INFOID:000000009718525

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1423	ROLLOVER DETECTION (Firing Record, Rollover with Rolling state 2)	Front seat belt pre-tensioner, curtain air bag module are deployed because of rollover detection	—

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-15, "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-59, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718526

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-6, "FOR FRONTAL COLLISION : When SRS is activated in a collision"](#) or [SR-8, "FOR SIDE AND ROLLOVER COLLISION : When SRS is 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-59, "DTC Logic"](#).

B1425 REAR COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1425 REAR COLLISION DETECTION

DTC Logic

INFOID:000000009718527

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1425	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-15, "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:000000009718528

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-6, "FOR FRONTAL COLLISION : When SRS is activated in a collision"](#) or [SR-8, "FOR SIDE AND ROLLOVER COLLISION : When SRS is 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-60, "DTC Logic"](#).

B142A IGN VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B142A IGN VOLTAGE

DTC Logic

INFOID:000000009718529

DTC DETECTION LOGIC

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

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-15, "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-61, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718530

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-97, "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.

B142A IGN VOLTAGE

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

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-26, "Removal and Installation"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-61, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1430 SEAT BELT PRE-TENSIONER

DTC Logic

INFOID:000000009718531

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1430	PRE-TEN FRONT LH (Front seat belt pre-tensioner squib left hand circuit)	[OPEN]	Seat belt pre-tensioner LH circuit is open
		[VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit
		[GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground
		[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other

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

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-15, "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-63, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718532

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.

B1430 SEAT BELT PRE-TENSIONER

[FOR USA AND CANADA]

< DTC/CIRCUIT DIAGNOSIS >

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 LH

1. Replace seat belt pre-tensioner LH. Refer to [SR-28, "Removal and Installation"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-63, "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-26, "Removal and Installation"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-63, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

B1431 SEAT BELT PRE-TENSIONER

DTC Logic

INFOID:000000009718533

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B1431	PRE-TEN FRONT RH (Front seat belt pre-tensioner squib right hand circuit)	[OPEN]	Seat belt pre-tensioner RH circuit is open	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of seat belt pre-tensioner RH • Internal malfunction of air bag diagnosis sensor unit
		[VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit	<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of seat belt pre-tensioner RH • Internal malfunction of air bag diagnosis sensor unit
		[GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground	<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of seat belt pre-tensioner RH • Internal malfunction of air bag diagnosis sensor unit
		[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other	<ul style="list-style-type: none"> • Connection malfunction or short circuit of harness and connector • Internal malfunction of seat belt pre-tensioner RH • 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-15, "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:000000009718534

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?

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

[FOR USA AND CANADA]

-
- 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 RH

-
1. Replace seat belt pre-tensioner RH. Refer to [SR-28, "Removal and Installation"](#).
 2. Perform DTC confirmation procedure. Refer to [SRC-65, "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-26, "Removal and Installation"](#).
 2. Perform DTC confirmation procedure. Refer to [SRC-65, "DTC Logic"](#).

Is DTC detected?

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

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:000000009718535

DTC	Diagnostic item		Number of times of warning lamp blinking in diagnosis mode		Reference page
			System display	Item display	
U1000	CAN COMM CIRCUIT	—	—	—	SRC-21, "DTC Logic"
U1010	CONTROL UNIT (CAN)	—	—	—	SRC-22, "DTC Logic"
B0001	DRIVER AIRBAG MODULE	[OPEN]	Front air bag system	1	SRC-23, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0002	DRIVER AIRBAG MODULE 2	[OPEN]	Front air bag system	1	SRC-26, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0010	ASSIST A/B MODULE	[OPEN]	Front air bag system	2	SRC-29, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0011	ASSIST A/B MODULE 2	[OPEN]	Front air bag system	2	SRC-31, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0020	SIDE A/B MODULE LH	[OPEN]	Side air bag system	1	SRC-33, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0021	CURTAIN A/B MODULE LH	[OPEN]	Side air bag system	3	SRC-35, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0028	SIDE A/B MODULE RH	[OPEN]	Side air bag system	2	SRC-37, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0029	CURTAIN A/B MODULE RH	[OPEN]	Side air bag system	4	SRC-39, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

DTC	Diagnostic item		Number of times of warning lamp blinking in diagnosis mode		Reference page
			System display	Item display	
B0091	B-PILLAR SAT SEN LH	[RESET]	Sensor system	2	SRC-41. "DTC Logic"
		[COMM ERR]			
		[OPEN]			
		[UNMATCH]			
		[OFFSET ERR]			
		[SELF-DIAG ERR]			
		[LOWER LIMIT ERR]			
		[UPPER LIMIT ERR]			
		[GND-SHORT]			
B0094	CRASH ZONE SENS	[RESET]	Sensor system	1	SRC-43. "DTC Logic"
		[COMM ERR]			
		[OPEN]			
		[UNMATCH]			
		[OFFSET ERR]			
		[SELF-DIAG ERR]			
		[LOWER LIMIT ERR]			
		[UPPER LIMIT ERR]			
		[GND-SHORT]			
B0096	B-PILLAR SAT SEN RH	[RESET]	Sensor system	3	SRC-45. "DTC Logic"
		[COMM ERR]			
		[OPEN]			
		[UNMATCH]			
		[OFFSET ERR]			
		[SELF-DIAG ERR]			
		[LOWER LIMIT ERR]			
		[UPPER LIMIT ERR]			
		[GND-SHORT]			
B0099	SATELLITE SENSOR	[RESET]	Sensor system	12	SRC-47. "DTC Logic"
		[COMM ERR]			
		[OPEN]			
		[UNMATCH]			
		[OFFSET ERR]			
		[SELF-DIAG ERR]			
		[LOWER LIMIT ERR]			
		[UPPER LIMIT ERR]			
		[GND-SHORT]			
B00A0	OCCUPANT SENS	[ABNOMAL VOLT-AGE]	Air bag control unit system	4	SRC-49. "DTC Logic"
		[UNIT MALFUNC]			
	OCCUPANT SENS C/U	[UNIT MALFUNC]			
		[RESET]			
		[COMM ERR]			
		[UNDEFINED]			

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

DTC	Diagnostic item		Number of times of warning lamp blinking in diagnosis mode		Reference page
			System display	Item display	
B00D5	PASS A/B INDCTR CKT	[UNIT MALFUNC]	Air bag control unit system	3	SRC-51, "DTC Logic"
		[PWR-SHORT/OPEN]			
		[OPEN]			
		[VB-SHORT]			
		[GND-SHORT]			
B1400-B1405	CONTROL UNIT	[UNIT MALFUNC]	Air bag control unit system	2	SRC-53, "DTC Logic"
B1406-B1410	CONTROL UNIT	[UNIT MALFUNC]	Air bag control unit system	2	SRC-54, "DTC Logic"
B1411-B1415	CONTROL UNIT	[UNIT MALFUNC]	Air bag control unit system	2	SRC-55, "DTC Logic"
B1416-B1420	CONTROL UNIT	[UNIT MALFUNC]	Air bag control unit system	2	SRC-56, "DTC Logic"
B1421	FRONTAL COLLISION	—	Air bag control unit system	1	SRC-57, "DTC Logic"
B1422	SIDE COLLISION	—	Air bag control unit system	1	SRC-58, "DTC Logic"
B1423	ROLLOVER DETECTION	—	Air bag control unit system	1	SRC-59, "DTC Logic"
B1425	REAR COLLISION	—	Air bag control unit system	1	SRC-60, "DTC Logic"
B142A	IGNITION VOLTAGE	[VB-LOW]	—	—	SRC-61, "DTC Logic"
		[VB-HIGH]	—	—	
B1430	PRE-TEN FRONT LH	[OPEN]	Front air bag system	3	SRC-63, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B1431	PRE-TEN FRONT RH	[OPEN]	Front air bag system	4	SRC-65, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			

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DIAGNOSIS SENSOR UNIT

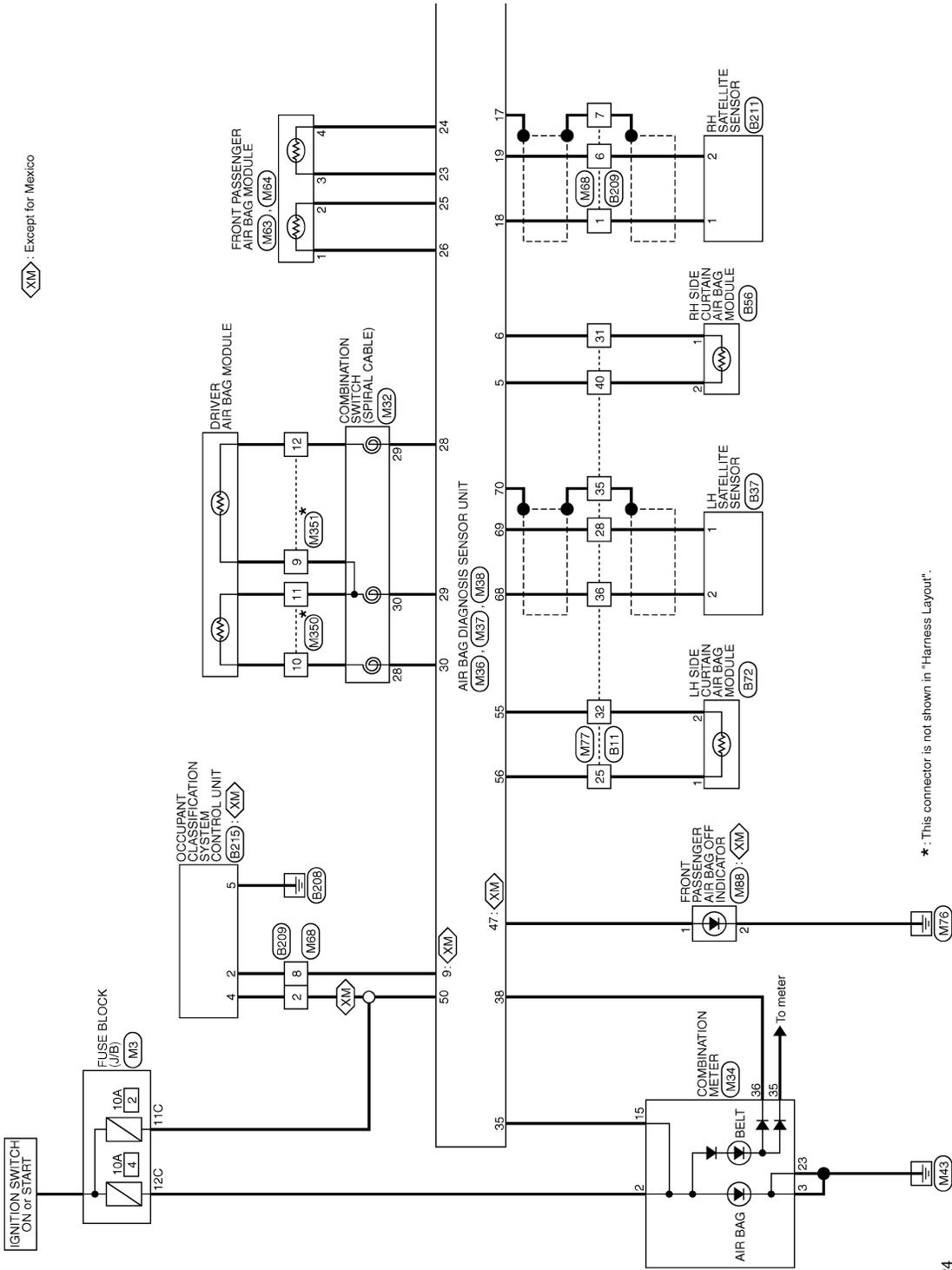
< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

Wiring Diagram — SRS AIR BAG CONTROL SYSTEM —

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SRS AIR BAG CONTROL SYSTEM



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JRHWC0326GB

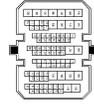
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH88MM-C519



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	
2	R/L	
3	R/L	
4	R/W	
6	P	
7	V	
8	SHIELD	
9	BR/L	
10	Y/G	
11	Y/L	
12	W/L	
13	L	
14	BR	
15	SB	
16	SP	
17	Y	
18	SB	
19	R	
20	P	
21	LG	
22	W	
23	Y	
24	GR	
25	Y	
27	V	
28	R	
30	P	
31	BR	
32	SB	
34	SB	
35	SHIELD	
36	LG	
37	LG	
40	Y	
41	GR	

42	G	
46	G	
48	LG	
49	SB	
47	R	
88	GR	
48	SHIELD	
49	B	
50	G	
50	R/W	
51	R	
51	R/L	
52	B	
53	L	
54	LG	
55	BR	
56	P	
57	L	
58	R	
59	R	
59	SHIELD	
60	B	
61	Y	
61	R/L	
62	R/W	
63	LG	
64	BR	
65	GR	
66	L	
66	V	
67	G	
67	GR	
68	BR	
68	R	
69	SHIELD	
70	W/R	
71	B/R	
72	Y	
73	LG	
74	SB	
75	L	
76	G	
77	R	
78	B	
80	W	
81	R	
82	L	

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



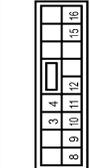
Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	
2	SB	

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	
2	BR	
3	GR	
4	O	
5	G	
6	B/W	

Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	NS19FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	
2	L	
3	W	
4	P	
5	V	
6	GR	
7	Y	
8	P	
10	LG	
11	R	
12	SB	
13	O	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM

14	BR	-
13	OR	-
12	BY	-

Connector No.	B212
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACB02FY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	LG	-

Connector No.	B213
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACB02FY



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

Connector No.	B216
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACB02FY



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

Connector No.	B217
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACB02FY



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

Connector No.	B219
Connector Name	WIRE TO WIRE
Connector Type	TK12MG-Y-BD



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	Y	-
3	Y	-
4	BR	-
5	Y	-
6	G	-
7	SHIELD	-
8	LG	-
9	P	-
11	SB	-

Connector No.	B211
Connector Name	RH SATELLITE SENSOR
Connector Type	HK02FY-IV-EX



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

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



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

Connector No.	B213
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACB02FY



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

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM

Connector No.	B214
Connector Name	WIRE TO WIRE
Connector Type	NS36BW-CS



Connector No.	B409
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A03MW-P



Connector No.	B431
Connector Name	WIRE TO WIRE
Connector Type	NS36MW-CS

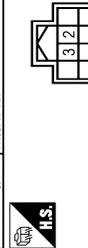


Connector No.	B449
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A03MW-P



Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	-
2	B	-
3	BR	-
4	GR	-
5	G	-
6	B/W	-

Connector No.	B215
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH06PW-NH



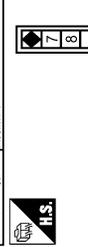
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W/G	-
3	GR	-

Connector No.	B411
Connector Name	WIRE TO WIRE
Connector Type	NS36MW-CS



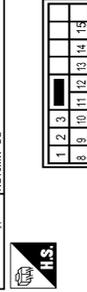
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W/G	-
3	W/G	-
4	B/R	-
5	B/R	-
6	GR	-

Connector No.	B437
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	A03MW-P



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W/G	-
41	GR	-

Connector No.	B480
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	W/G	-
4	GR	-
5	B/R	-
6	GR	-

Terminal No.	Color Of Wire	Signal Name [Specification]
7	W/G	-
8	GR	-

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	P	-
3	G/O	-
4	O/L	-
5	V	-
6	W/G	-
7	B	-
8	W/L	-
9	P/L	-
10	O	-
11	V	-
12	W/W	-
13	W/R	-
14	BR	-
15	B/R	-
16	GR	-

JRHWC1242GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

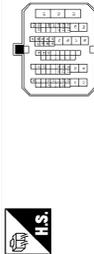
SRS AIR BAG CONTROL SYSTEM

Connector No.	E177
Connector Name	WIRE TO WIRE
Connector Type	HK03MB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W/L	-
2	SHIELD	-
3	W/L	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH10MM-CSD-M3



Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	-
5	LG	-
6	GR	-
8	G	-
11	P	-
12	L	-
13	Y	-
14	O	-
15	BR	-
20	BR	-
22	BR	-
24	L	-
25	O	-
28	SB	-
29	W	-
30	Y	-

38	R	-
40	L	-
41	B	-
42	P	-
46	L	-
49	SB	-
50	GR	-
51	LG	-
52	V	-
53	GR	-
54	BR	-
55	Y	-
58	W/L	-
60	V	-
61	BR	-
62	O	-
64	SHIELD	-
66	W	-
67	BR	-
68	Y	-
69	SB	-
70	GR	-
71	SB	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	O	-
78	V	-
79	Y	-
80	R	-
81	W	-
82	LG	-
83	O	-

Connector No.	E311
Connector Name	WIRE TO WIRE
Connector Type	RK03FB-BD



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	-
2	O	-
3	O	-

Connector No.	E313
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02F7-IV-EX



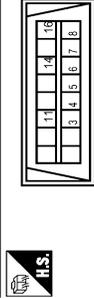
Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	-
2	W	-

Connector No.	M3
Connector Name	FUSE BLOCK (J B)
Connector Type	NIS2FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	SB	-
10D	R	-
10E	G	-
6C	BR	-
7C	B	-
8C	G	-
9C	GR	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	BR	-
8	G	-
14	SB	-
16	Y	-

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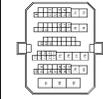
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	THH9FW-CSDJ-M3



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	
2	BR	
3	G	
4	W	
5	Y	
6	R	
7	P	
8	LG	
9	Y	
10	W	
11	Y	
12	W	
13	Y	
14	Y	
15	R	
16	W	
17	Y	
18	Y	
19	L	
20	Y	
21	BR	
22	LG	
23	Y	
24	L	
25	L	
26	BR	
27	L	
28	R	
29	L	
30	R	
31	R	
32	R	
33	L	
34	B	
35	P	
36	L	
37	W	
38	GR	
39	LG	
40	Y	
41	SB	
42	Y	
43	SB	
44	Y	
45	SB	
46	Y	
47	SB	
48	Y	
49	SB	
50	Y	
51	SB	
52	Y	
53	SB	
54	Y	
55	SB	
56	Y	
57	SB	
58	Y	
59	SB	
60	Y	
61	SB	
62	Y	
63	SB	

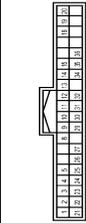
64	SHIELD	
65	W	
66	R	
67	P	
68	W	
69	G	
70	G	
71	G	
72	BR	
73	L	
74	W	
75	BR	
76	R	
77	G	
78	G	
79	G	
80	R	
81	W	
82	W	
83	BG	

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TH9BFY-EX-TV



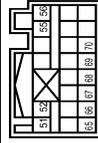
Terminal No.	Color Of Wire	Signal Name [Specification]
23	R	
24	Y	
25	Y/V	
26	Y	
27	Y	
28	Y	
29	Y/V	
30	Y	
31	Y/R	

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH9DFW-BH



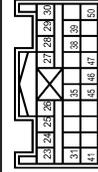
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BATTERY POWER SUPPLY
2	LG	IGN SIGNAL
3	B	GROUND
4	B	GROUND
5	SB	ILLUMINATION CONTROL SIGNAL
6	SB	TRIP RESET SIGNAL
7	W	SW ILL POWER
8	W	METER CONTROL SWITCH GROUND
9	L	ENTER SWITCH SIGNAL
10	L	SELECT SWITCH SIGNAL
11	R	ILLUMINATION CONTROL SWITCH SIGNAL (-)
12	R	ILLUMINATION CONTROL SWITCH SIGNAL (-)
13	V	AIR BAG SIGNAL
14	GR	AMBIENT SENSOR SIGNAL
15	BR	AMBIENT SENSOR SIGNAL
16	L	AMBIENT SENSOR GROUND
17	Y	AMBIENT SENSOR GROUND
18	L	CAN-H
19	L	CAN-L
20	L	GROUND
21	L	FUEL LEVEL SENSOR GROUND
22	P	ALTERNATOR SIGNAL
23	B	PARKING BRAKE SWITCH SIGNAL
24	W	WASHER LEVEL SWITCH SIGNAL
25	BR	VEHICLE SPEED SIGNAL (2-PULSE)
26	G	VEHICLE SPEED SIGNAL (3-PULSE)
27	V	OVERDRIVE CONTROL SWITCH SIGNAL
28	G	FUEL LEVEL SENSOR SIGNAL
29	G	BEAT FUEL INJECTOR SWITCH SIGNAL
30	R	BEAT FUEL INJECTOR SWITCH SIGNAL

Connector No.	M35
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH2ZFY-ZV-EX



Terminal No.	Color Of Wire	Signal Name [Specification]
51	Y	SIDE IFF LH+
52	Y	SIDE IFF RH+
53	ER	INF CURTAIN LH+
54	ER	INF CURTAIN RH+
55	Y	ELR LH+
56	Y	ELR RH+
57	Y	BUCKLE SW LH
58	SB	BUCKLE SW RH
59	R	SIDE SENS LH+
60	R	SIDE SENS RH+
61	B	GROUND [With Advanced Airbag Unit]
62	B	GROUND [With Standard Airbag Unit]

Connector No.	M37
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH2BFY-EX



Terminal No.	Color Of Wire	Signal Name [Specification]
23	Y	INFLATOR ASS2+
24	Y/R	INFLATOR ASS2-
25	Y/R	INFLATOR ASS1+
26	Y/G	INFLATOR ASS1-
27	B	GROUND
28	Y/G	INFLATOR DR2+
29	Y/R	INFLATOR DR1+3DR2-
30	Y	INFLATOR DR1+
31	V	EGZS-

DIAGNOSIS SENSOR UNIT

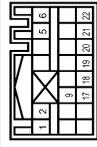
< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM

39	BR	A/B W/L
38	SHIELD	SE
40	GROUND	EC23+
41	LG	EC23+
45	P	CAN L
46	L	CAN HI
47	V	A/B CUTOFF TERTIALE
50	R	IGNITION SIGNAL

Connector No.	M38
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	1NHZF1-IV-EX



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	SIDE INF RH+
2	Y	SIDE INF RH-
5	BR	INF-CURTAIN RH-
6	W	INF-CURTAIN RH+
9	V	ODS INDOOT
17	B	GROUND [Main-Steered Airbag unit]
17	SHIELD	GROUND [Main-Steered Airbag unit]
18	R	SIDE SEATS RH+
19	G	SIDE SEATS RH-
20	L	BUCKLE SW RH
21	Y	ELR RH-
22	Y	ELR RH+

Connector No.	M63
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	JGAG2EB



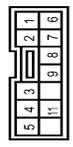
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y/G	
2	Y/B	

Connector No.	M64
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	JGAG2FOR



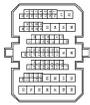
Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	
4	Y/R	

Connector No.	M69
Connector Name	WIRE TO WIRE
Connector Type	TK12EG-Y



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	
2	Y	
3	Y	
4	L	
5	Y	
6	G	
7	B	
8	V	
9	Y	
11	Y	

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	THBPFH-ZS18



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	
2	B	
3	W	
6	W	
7	G	
8	SHIELD	
9	W	
10	R	
11	G	

12	B	
13	P	
14	P	
15	SB	
16	R	
17	V	
18	P	
19	P	
20	LG	
21	Y	
22	BR	
23	LG	
24	SB	
25	Y	
27	Y	
28	Y	
30	Y	
31	W	
32	BR	
34	Y	
35	B	
36	G	
37	Y	
40	BR	
41	LG	
42	SB	
46	G	
46	G	
47	SB	
48	CP	
48	SHIELD	
49	BR	
49	R	
50	LG	
50	R	
51	R	
51	V	
52	B	
53	BR	
54	B	
55	G	
56	P	
58	P	
58	SB	
59	R	
59	SHIELD	
60	B	
60	Y	
61	R	

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR USA AND CANADA]

SRS AIR BAG CONTROL SYSTEM

82	W	-
83	L	-
84	V	-
85	R	-
86	L	-
87	G	-
88	B	-
89	G	-
90	V	-
91	G	-
92	BR	-
93	P	-
94	V	-
95	W	-
96	SB	-
97	L	-
98	LG	-
99	Y	-

Connector No.	M88
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TK03FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	A	-
2	B	-

Connector No.	M850
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACAG2Y-ZV



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

Connector No.	M851
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACAG2FOR



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

JRHWC1246GB

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

[FOR USA AND CANADA]

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:000000009718537

1. CHECK FRONT AIR BAG MODULE

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to [SR-12, "Removal and Installation"](#) or [SR-18, "Removal and Installation"](#).

NO >> GO TO 2.

2. CHECK AIR BAG FUSE

Check the air bag fuse. Refer to [PG-92, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.2, located in fuse block (J/B)] normal?

YES >> GO TO 4.

NO >> GO TO 3.

3. CHECK AIR BAG FUSE AGAIN

Replace air bag fuse and turn ignition switch ON.

Did the air bag fuse blow again?

YES >> Repair or replace main harness.

NO >> **INSPECTION END**

4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Check the screen of CONSULT.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

5. CHECK HARNESS CONNECTION

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

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

NO >> Replace wiring harness connector.

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SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

[FOR USA AND CANADA]

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:000000009718538

1.CHECK METER FUSE

Check the meter fuse. Refer to [PG-92, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.4, located in fuse block (J/B)] normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK METER FUSE AGAIN

Replace 10A fuse [No.4, located in fuse block (J/B)] and turn ignition switch ON.

Did the meter fuse blow again?

YES >> Repair or replace the related harness.

NO >> **INSPECTION END**

3.CHECK HARNESS CONNECTION

1. Check harness connection between air bag diagnosis sensor unit and combination meter.

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

Did air bag warning lamp turn ON?

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-26, "Removal and Installation"](#).

NO >> Replace combination meter assembly. Refer to [MWI-105, "Removal and Installation"](#).

PASSENGER SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

[FOR USA AND CANADA]

PASSENGER SEAT BELT WARNING SYSTEM

Diagnosis Procedure

INFOID:000000009718539

1.CHECK THE SYSTEM 1

Check the seat belt warning lamp function.

Seat belt warning lamp turns ON in the following conditions.

- Driver seat belt is fastened.
- Occupant is on front passenger seat.
- Front passenger seat belt is not fastened.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Check the followings.

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

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

2.CHECK THE SYSTEM 2

Check the seat belt warning lamp function.

Seat belt warning lamp turns OFF in the following conditions.

- Driver seat belt is fastened.
- Occupant is on front passenger seat.
- Front passenger seat belt is fastened.

Is the inspection result normal?

YES >> System is OK.

NO >> Check the followings.

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

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

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< PRECAUTION >

PRECAUTION

PRECAUTIONS

Precautions for Removing of Battery Terminal

INFOID:000000010032066

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

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.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

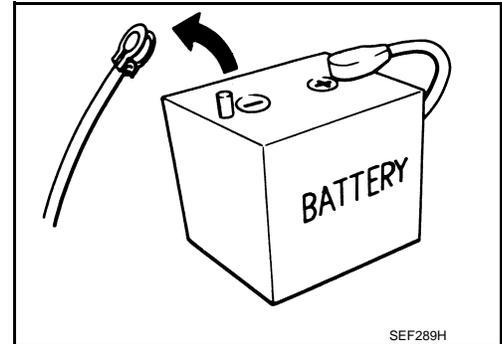
NOTE:

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.



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

INFOID:000000009718540

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

WARNING:

Always observe the following items for preventing accidental activation.

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

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

WARNING:

Always observe the following items for preventing accidental activation.

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

Service

INFOID:000000009718541

- 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.

PRECAUTIONS

[FOR USA AND CANADA]

< PRECAUTION >

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

Occupant Classification System Precaution

INFOID:000000009718542

- Replace occupant classification system control unit and passenger front seat cushion as an assembly. Refer to [SE-98, "Removal and Installation"](#).

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[FOR MEXICO]

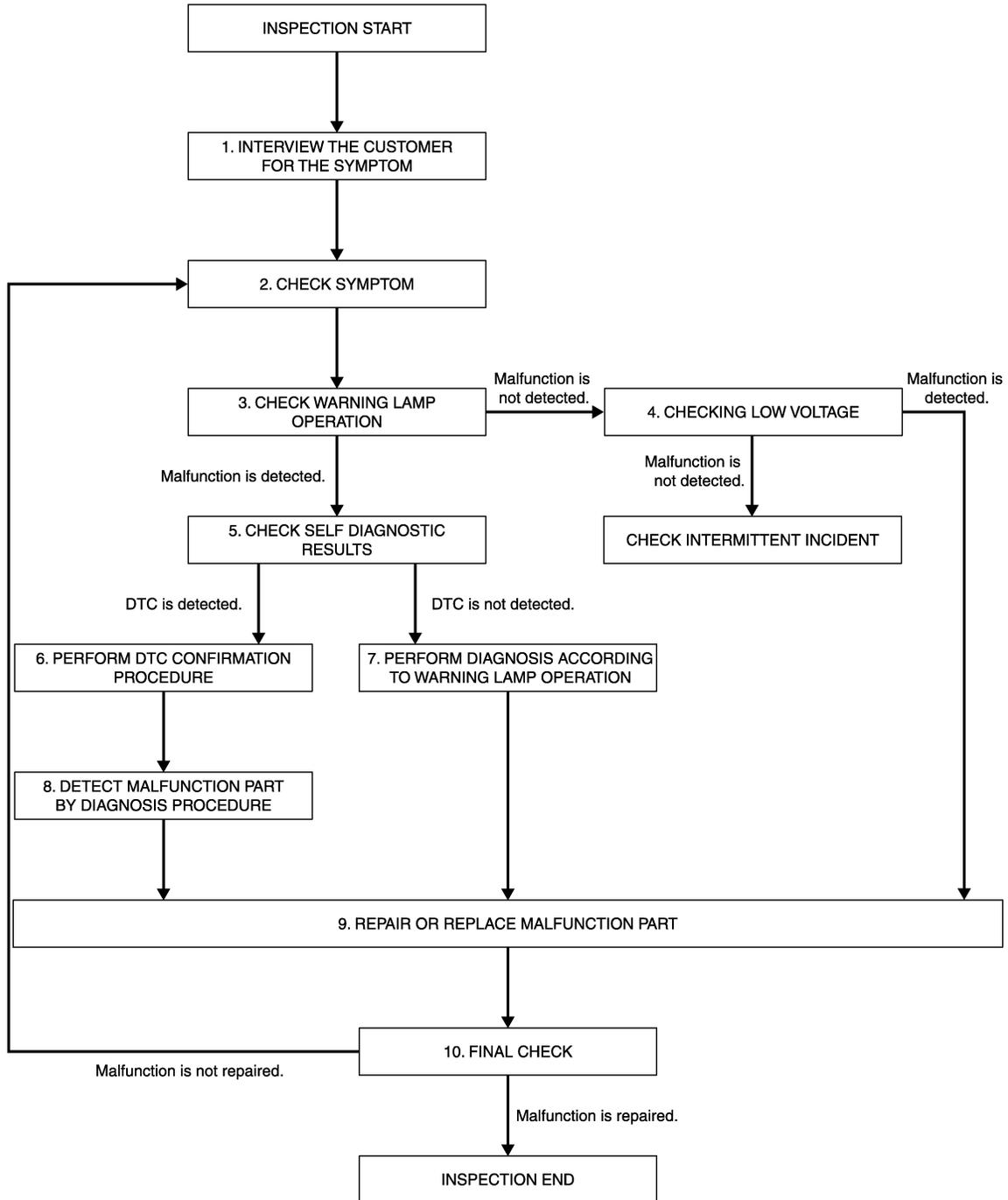
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000009718543

OVERALL SEQUENCE



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DETAILED FLOW

Revision: 2013 August

SRC-84

2014 MURANO

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[FOR MEXICO]

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-91, "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-44, "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-91, "On Board Diagnosis Function"](#).
2. Perform Diagnosis Procedure for the air bag warning lamp operation. Refer to [SRC-91, "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

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

[FOR MEXICO]

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?

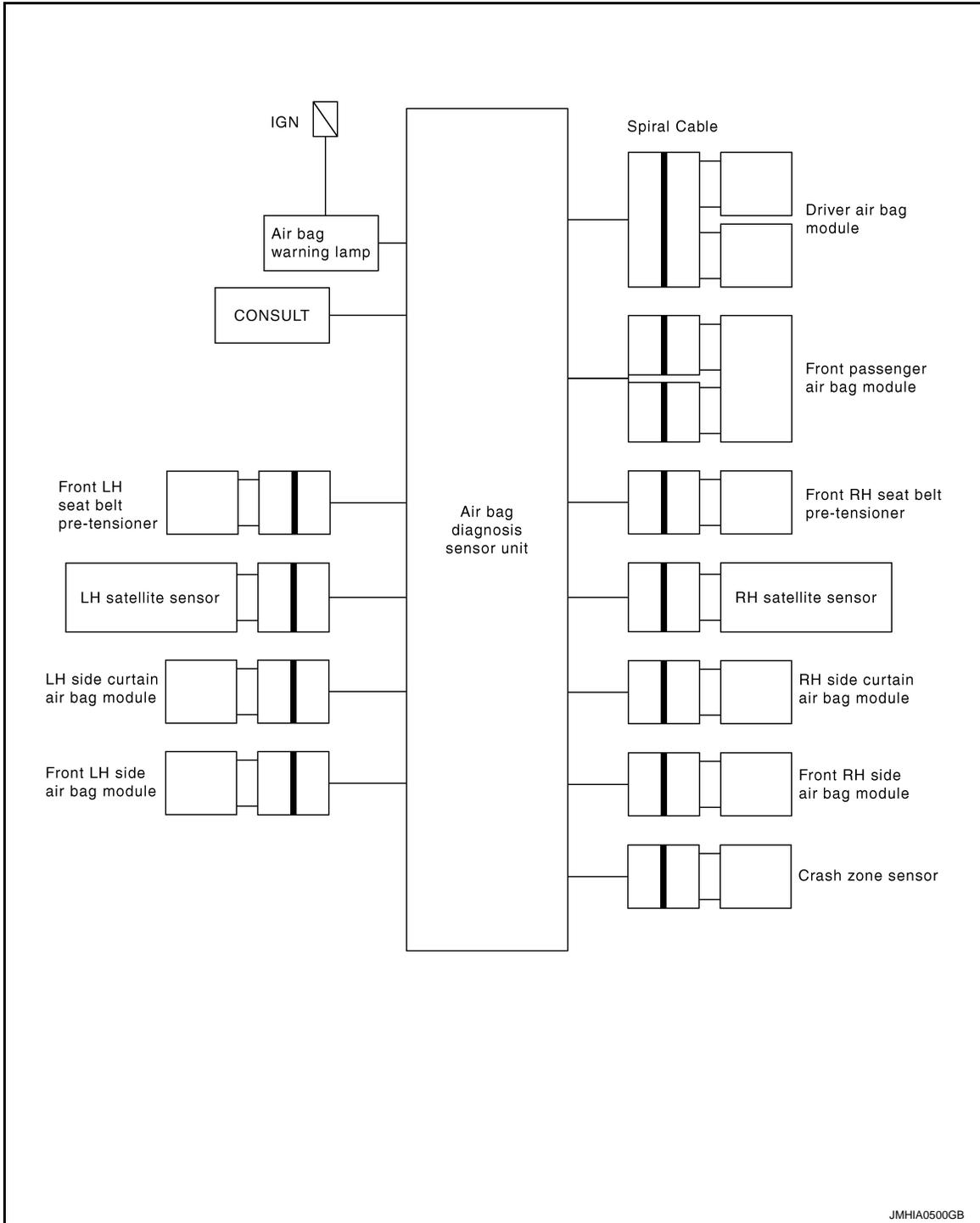
YES >> INSPECTION END
NO >> GO TO 2.

SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

System Diagram

INFOID:000000009718544



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System Description

INFOID:000000009718545

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 diagnosis 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

SRS AIR BAG SYSTEM

[FOR MEXICO]

< SYSTEM DESCRIPTION >

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

AIR BAG DIAGNOSIS SENSOR UNIT FUNCTIONS

Air bag diagnosis sensor unit has the following functions.

- Detects a collision and supplies the energy for deploying air bag and seat belt pre-tensioner.
- Detects and records electrical malfunction in air bag system and seat belt pre-tensioner system, and blinking air bag warning lamp.
- Detects and records the deployment of air bag and seat belt pre-tensioner, and turns ON air bag warning lamp.
- Indicates malfunctioning portion with blinking times of air bag warning lamp in diagnosis mode.
- Indicates the malfunction record via CONSULT.

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

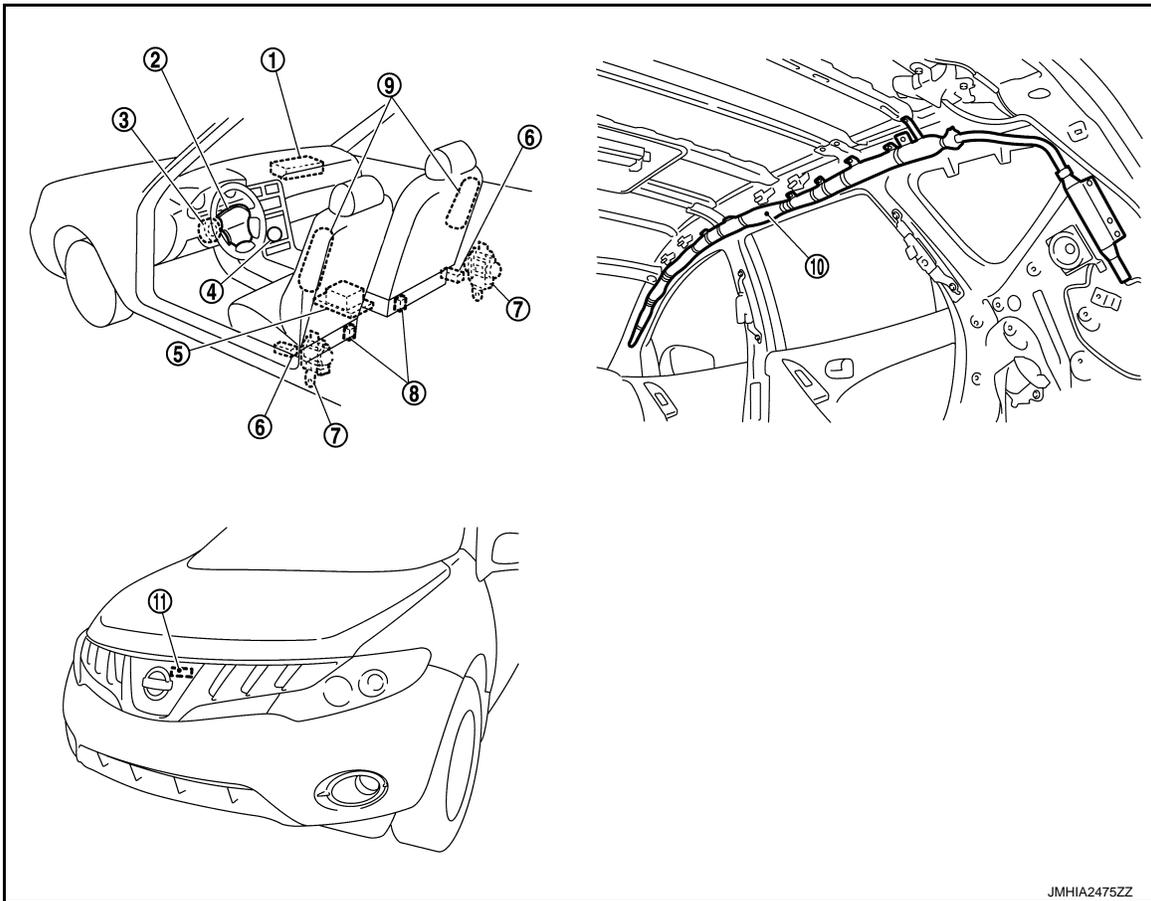
SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

[FOR MEXICO]

Component Parts Location

INFOID:000000009718546



- | | | |
|--|--|--------------------------------------|
| 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 | |

Component Description

INFOID:000000009718547

Component	Function
Air bag diagnosis sensor unit	Detects a collision and supplies power supply for deployment to air bag module and pre-tensioner seat belt.
Air bag module <ul style="list-style-type: none"> • Driver • Passenger • Side • Curtain 	Receives signal from air bag diagnosis sensor unit and deploys air bag.
Seat belt pre-tensioner	Receives signal from air bag diagnosis sensor unit and deploys seat belt pre-tensioner.
Seat belt buckle switch	Controls deployment timing based on seat belt fastened or unfastened condition.
Crash zone sensor	Transmits signal to air bag diagnosis sensor unit when a frontal collision occurs.
Satellite sensor (LH/RH)	Transmits signal to air bag diagnosis sensor unit when a side collision occurs.

SRS AIR BAG SYSTEM

[FOR MEXICO]

< SYSTEM DESCRIPTION >

Component	Function
Combination meter (air bag warning lamp)	Indicates air bag malfunctioning and deployment by blinking and illuminating air bag warning lamp.
Combination switch (spiral cable)	Supplies power supply to driver air bag module on steering wheel.

DIAGNOSIS SYSTEM (AIRBAG)

Description

INFOID:000000009718548

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.

x: Application, —: Not application

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

On Board Diagnosis Function

INFOID:000000009718549

ON-BOARD DIAGNOSIS

There are two self diagnosis functions with air bag warning lamp as 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.

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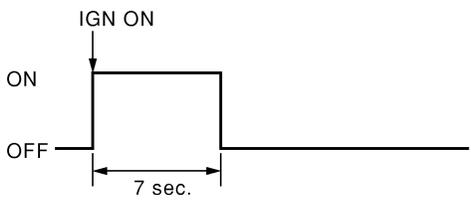
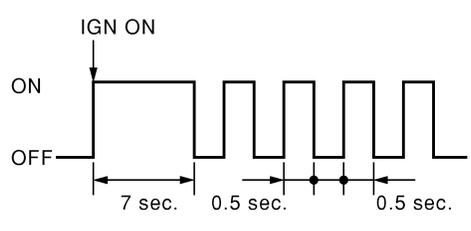
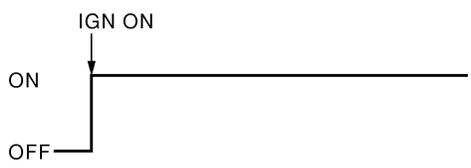
DIAGNOSIS SYSTEM (AIRBAG)

[FOR MEXICO]

< 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
 <p style="text-align: right; font-size: small;">SHIA0011E</p>	<ul style="list-style-type: none"> No malfunction is detected No further action is necessary 	<p>Change to Diagnosis mode is not possible when the system is normal.</p>
 <p style="text-align: right; font-size: small;">SHIA0012E</p>	<p>The system is malfunctioning</p>	<p>Refer to SRC-96, "CONSULT Function" or "DIAGNOSIS MODE"</p>
 <p style="text-align: right; font-size: small;">SHIA0013E</p>	<ul style="list-style-type: none"> Air bag is deployed Seat belt pre-tensioner is deployed 	<p>Refer to SRC-129, "Diagnosis Procedure", SRC-130, "Diagnosis Procedure", or SRC-131, "Diagnosis Procedure"</p>
	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is malfunctioning Air bag power supply circuit is malfunctioning Air bag warning lamp circuit is malfunctioning 	<p>Refer to SRC-151, "Diagnosis Procedure"</p>
 <p style="text-align: right; font-size: small;">SHIA0014E</p>	<ul style="list-style-type: none"> Air bag diagnosis sensor unit is malfunctioning Air bag warning lamp circuit is malfunctioning 	<p>Refer to SRC-152, "Diagnosis Procedure"</p>

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

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 SYSTEM (AIRBAG)

[FOR MEXICO]

< SYSTEM DESCRIPTION >

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 high 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 seconds blinks followed by a 0.5 seconds blink repeated.
 - Side air bag system: Three 1.5 seconds blinks followed by a 0.5 seconds blink repeated.
 - Air bag control unit system: 3 seconds blink followed by a 0.5 seconds blink repeated.
 - Sensor system: Two 3 seconds blinks followed by a 0.5 seconds 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

Sensor system

Number of 0.5 second blinks	Malfunctioning items
1	Crash zone sensor
2	Satellite sensor LH
3	Satellite sensor RH
12	Other 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

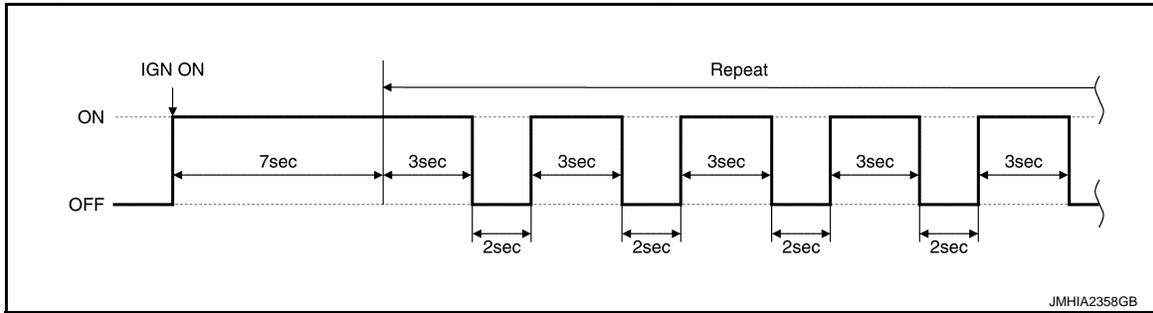
DIAGNOSIS SYSTEM (AIRBAG)

[FOR MEXICO]

< SYSTEM DESCRIPTION >

System Normal

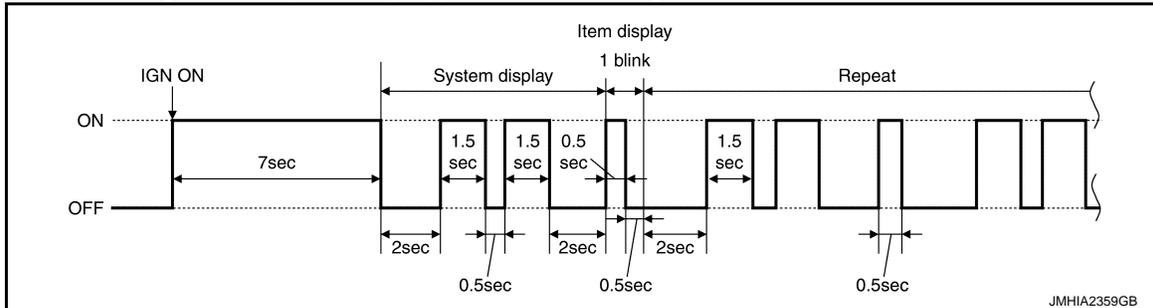
When the system is normal and "PAST" displayed in "Self Diagnostic Result".



Single System Malfunction

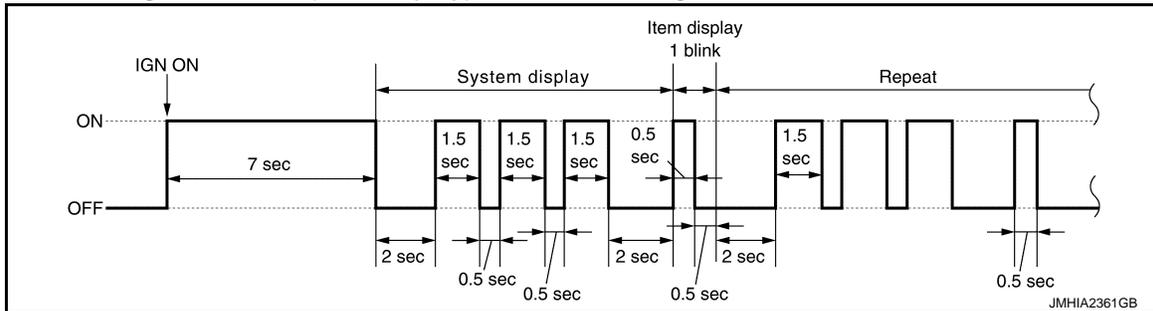
- Front air bag system

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



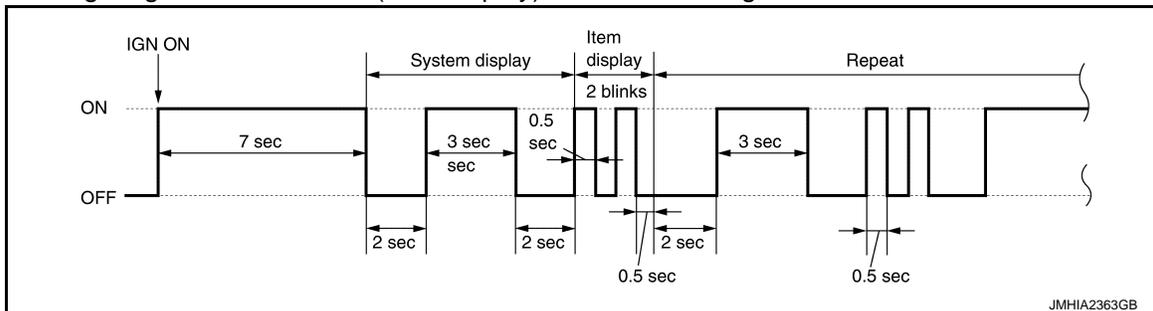
- Side air bag system

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.



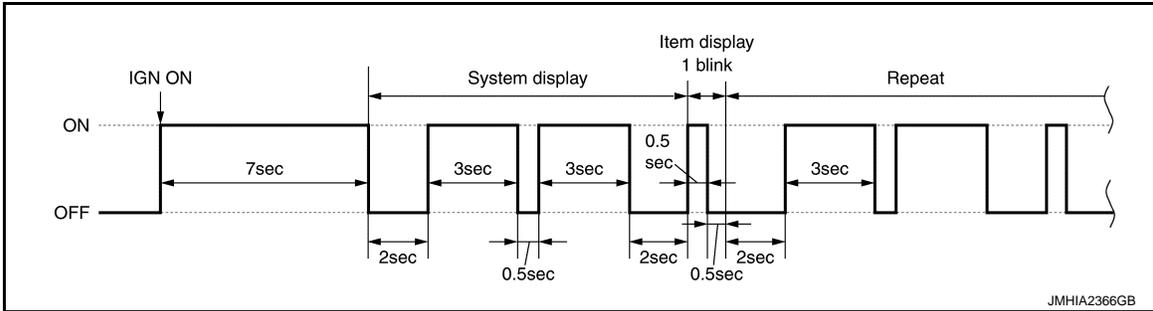
- Sensor system

DIAGNOSIS SYSTEM (AIRBAG)

< SYSTEM DESCRIPTION >

[FOR MEXICO]

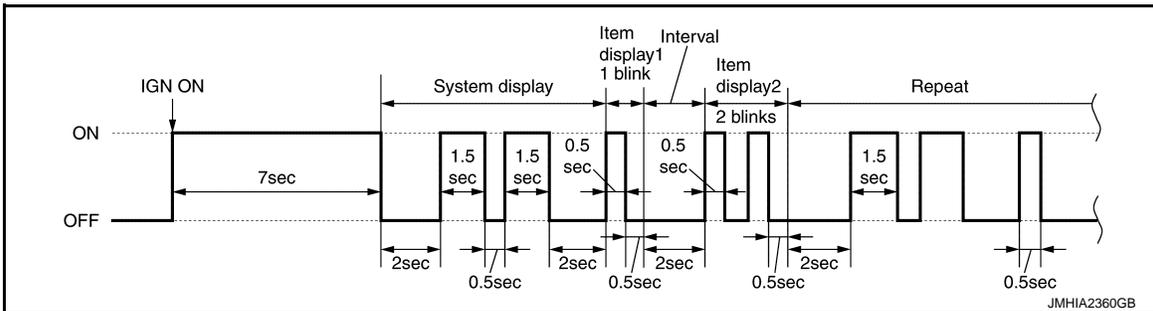
When crash zone sensor (Item display) is malfunctioning.



Multiple Systems Malfunction

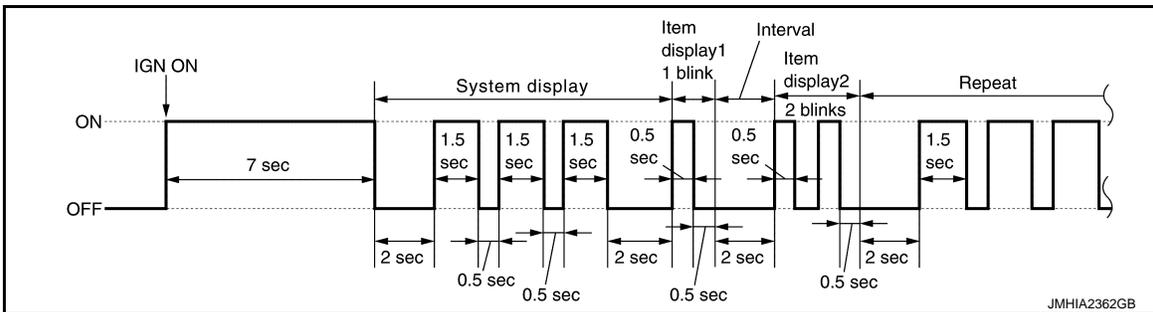
- Front air bag system

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



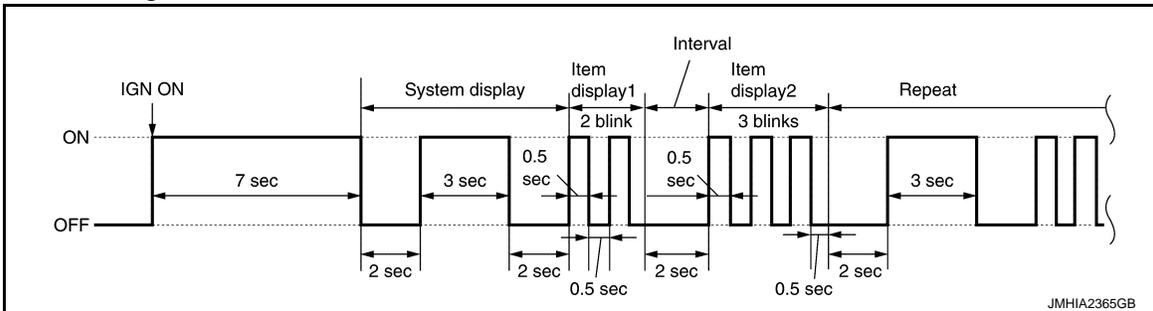
- Side air bag system

When side air bag module LH (Item display 1) and side air bag module RH (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

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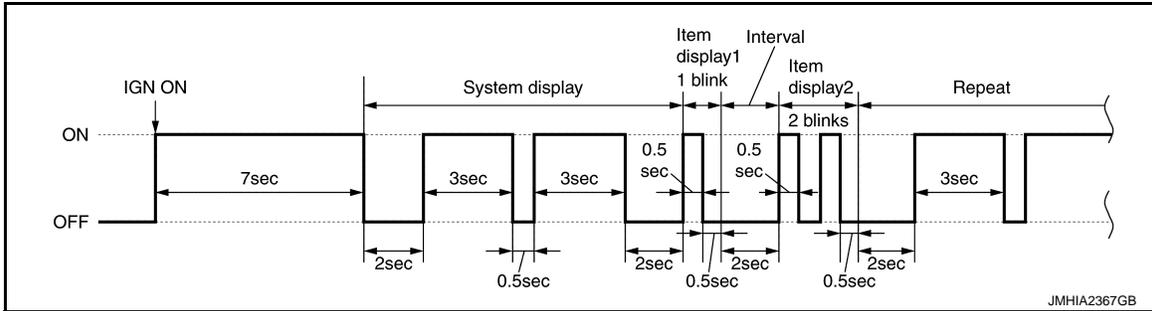
SRC

DIAGNOSIS SYSTEM (AIRBAG)

< SYSTEM DESCRIPTION >

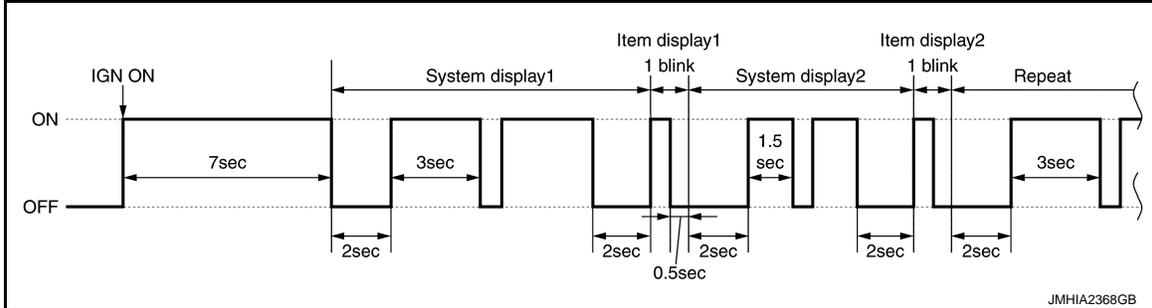
[FOR MEXICO]

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



CONSULT Function

INFOID:000000009718550

APPLICATION ITEM

CONSULT performs the following functions.

Diagnosis mode	Description
Self Diagnostic Result	<ul style="list-style-type: none"> • Self-diagnosis result is displayed. • "No DTC" is displayed when repair is completed by part replacement or other operations. • "SELF-DIAG RESULT [MEMORY]" is displayed until "Erase" performed.
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-139, "DTC Index"](#).

U1000 CAN COMM CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

Description

INFOID:000000009718551

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-28, "CAN System Specification Chart"](#).

DTC Logic

INFOID:000000009718552

DTC DETECTION LOGIC

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

Diagnosis Procedure

INFOID:000000009718553

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" displayed?

- YES >> Refer to [LAN-18, "Trouble Diagnosis Flow Chart"](#).
NO >> Refer to [GI-44, "Intermittent Incident"](#).

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U1010 CONTROL UNIT (CAN)

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

U1010 CONTROL UNIT (CAN)

DTC Logic

INFOID:000000009718554

DTC DETECTION LOGIC

DTC	CONSULT screen items	DTC Detection Condition	Possible cause
U1010	CONTROL UNIT (CAN)	Air bag diagnosis sensor unit detected internal CAN communication circuit malfunction.	Air bag diagnosis sensor unit

Diagnosis Procedure

INFOID:000000009718555

1. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

When DTC "U1010" is detected, replace air bag diagnosis sensor unit.

>> Replace air bag diagnosis sensor unit. Refer to [SR-55. "Removal and Installation"](#).

B0001 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B0001 DRIVER AIR BAG MODULE

DTC Logic

INFOID:000000009718556

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0001	DRIVER AIRBAG MODULE [Driver Frontal Stage 1 Deployment Control (Subfault)]	[OPEN]	Driver air bag module circuit is open (including the spiral cable)	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of driver air bag module • Internal malfunction of air bag diagnosis sensor unit
		[VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)	<ul style="list-style-type: none"> • 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
		[GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	<ul style="list-style-type: none"> • 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
		[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)	<ul style="list-style-type: none"> • 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-91, "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-99, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718557

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?

B0001 DRIVER AIR BAG MODULE

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

- 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?

- [OPEN] >> GO TO 4.
[VB-SHORT] >> GO TO 8.
[GND-SHORT]>> GO TO 5.
[SHORT] >> 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	
M350	10	M32	28	Existed
	11		30	
M351	9		29	
	12			

Is the inspection result normal?

- YES >> GO TO 9.
NO >> Replace combination switch (spiral cable). Refer to [SR-42, "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		
M350	10	Ground	Not existed
	11		
M351	9		
	12		

Is the inspection result normal?

- YES >> GO TO 9.
NO >> Replace combination switch (spiral cable). Refer to [SR-42, "Removal and Installation"](#).

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.

B0001 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

Combination switch (spiral cable)			Continuity
Connector	Terminal		
M350	10	11	Not existed
M351	9	12	

Is the inspection result normal?

YES >> GO TO 7.

NO >> Replace combination switch (spiral cable). Refer to [SR-42, "Removal and Installation"](#).

7. CHECK SPIRAL CABLE CIRCUIT 4

Check continuity between combination switch (spiral cable) terminals.

Combination switch (spiral cable)			Continuity
Connector	Terminal		
M32	28	30	Not existed
	29		

Is the inspection result normal?

YES >> GO TO 9.

NO >> Replace combination switch (spiral cable). Refer to [SR-42, "Removal and Installation"](#).

8. REPLACE COMBINATION SWITCH (SPIRAL CABLE)

1. Replace combination switch (spiral cable). Refer to [SR-42, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-99, "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-39, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-99, "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-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-99, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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B0002 DRIVER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B0002 DRIVER AIR BAG MODULE

DTC Logic

INFOID:000000009718558

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause	
B0002	DRIVER AIRBAG MODULE 2 [Driver Frontal Stage 2 Deployment Control (Sub-fault)]	[OPEN]	Driver air bag module circuit is open (including the spiral cable)	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of driver air bag module • Internal malfunction of air bag diagnosis sensor unit
		[VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)	<ul style="list-style-type: none"> • 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
		[GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)	<ul style="list-style-type: none"> • 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
		[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)	<ul style="list-style-type: none"> • 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-91, "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-102, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718559

WARNING:

B0002 DRIVER AIR BAG MODULE

[FOR MEXICO]

< 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.

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?

- [OPEN] >> GO TO 4.
- [VB-SHORT] >> GO TO 8.
- [GND-SHORT]>> GO TO 5.
- [SHORT] >> 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	
M350	10	M32	28	Existed
	11		30	
M351	9		29	
	12			

Is the inspection result normal?

- YES >> GO TO 9.
- NO >> Replace combination switch (spiral cable). Refer to [SR-42, "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		
M350	10	Ground	Not existed
	11		
M351	9		
	12		

Is the inspection result normal?

- YES >> GO TO 9.

B0002 DRIVER AIR BAG MODULE

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

NO >> Replace combination switch (spiral cable). Refer to [SR-42. "Removal and Installation"](#).

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		
M350	10	11	Not existed
M351	9	12	

Is the inspection result normal?

YES >> GO TO 7.

NO >> Replace combination switch (spiral cable). Refer to [SR-42. "Removal and Installation"](#).

7. CHECK SPIRAL CABLE CIRCUIT 4

Check continuity between combination switch (spiral cable) terminals.

Combination switch (spiral cable)			Continuity
Connector	Terminal		
M32	28	30	Not existed
	29		

Is the inspection result normal?

YES >> GO TO 9.

NO >> Replace combination switch (spiral cable). Refer to [SR-42. "Removal and Installation"](#).

8. REPLACE COMBINATION SWITCH (SPIRAL CABLE)

1. Replace combination switch (spiral cable). Refer to [SR-42. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-102. "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-39. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-102. "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-55. "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-102. "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B0010 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B0010 PASSENGER AIR BAG MODULE

DTC Logic

INFOID:000000009718560

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0010	ASSIST A/B MODULE [Passenger Frontal Stage 1 Deployment Control (Sub- fault)]	[OPEN]	Passenger air bag module circuit is open
		[VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit
		[GND-SHORT]	Passenger air bag module circuit is shorted to ground
		[SHORT]	Passenger air bag module circuits are shorted to each other
			<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of passenger air bag module • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of passenger air bag module • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of passenger air bag module • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit of harness and connector • Internal malfunction of passenger 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-91, "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-105, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718561

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?

B0010 PASSENGER AIR BAG MODULE

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

- 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-45, "Removal and Installation"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-105, "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-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-105, "DTC Logic"](#).

Is DTC detected?

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

B0011 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B0011 PASSENGER AIR BAG MODULE

DTC Logic

INFOID:000000009718562

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause	
B0011	ASSIST A/B MODULE 2 [Passenger Frontal Stage 2 Deployment Control (Sub- fault)]	[OPEN]	Passenger air bag module circuit is open	<ul style="list-style-type: none"> Connection malfunction or open circuit of harness and connector Internal malfunction of passenger air bag module Internal malfunction of air bag diagnosis sensor unit
		[VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit	<ul style="list-style-type: none"> Connection malfunction or short circuit to power supply of harness and connector Internal malfunction of passenger air bag module Internal malfunction of air bag diagnosis sensor unit
		[GND-SHORT]	Passenger air bag module circuit is shorted to ground	<ul style="list-style-type: none"> Connection malfunction or short circuit to ground of harness and connector Internal malfunction of passenger air bag module Internal malfunction of air bag diagnosis sensor unit
		[SHORT]	Passenger air bag module circuits are shorted to each other	<ul style="list-style-type: none"> Connection malfunction or short circuit of harness and connector Internal malfunction of passenger 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-91, "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-108, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

B0011 PASSENGER AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

Diagnosis Procedure

INFOID:00000009718563

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 PASSENGER AIR BAG MODULE

1. Replace passenger air bag module. Refer to [SR-45, "Removal and Installation"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-107, "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-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-107, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B0020 SIDE AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B0020 SIDE AIR BAG MODULE

DTC Logic

INFOID:000000009718564

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0020	SIDE A/B MODULE LH [Left Side Airbag Deployment Control (Subfault)]	[OPEN]	Side air bag module LH circuit is open
		[VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit
		[GND-SHORT]	Side air bag module LH circuit is shorted to ground
		[SHORT]	Side air bag module LH circuits are shorted to each other
			<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of side air bag module LH • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of side air bag module LH • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of side air bag module LH • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit of harness and connector • Internal malfunction of side air bag module LH • 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-91, "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-109, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718565

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?

B0020 SIDE AIR BAG MODULE

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

- 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 LH

1. Replace side air bag module LH. Refer to [SR-47, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-109, "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-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-109, "DTC Logic"](#).

Is DTC detected?

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

B0021 CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B0021 CURTAIN AIR BAG MODULE

DTC Logic

INFOID:000000009718566

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0021	CURTAIN A/B MODULE LH [Left Curtain Deployment Control 1 (Subfault)]	[OPEN]	Curtain air bag module LH circuit is open
		[VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuit
		[GND-SHORT]	Curtain air bag module LH circuit is shorted to ground
		[SHORT]	Curtain air bag module LH circuits are shorted to each other
			<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of curtain air bag module LH • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of curtain air bag module LH • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of curtain air bag module LH • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit of harness and connector • Internal malfunction of curtain air bag module LH • 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-91, "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-111, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718567

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?

B0021 CURTAIN AIR BAG MODULE

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

- 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 LH

1. Replace curtain air bag module LH. Refer to [SR-49, "Removal and Installation"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-111, "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-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-111, "DTC Logic"](#).

Is DTC detected?

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

B0028 SIDE AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B0028 SIDE AIR BAG MODULE

DTC Logic

INFOID:000000009718568

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause	
B0028	SIDE A/B MODULE RH [Right Side Airbag Deployment Control 1 (Subfault)]	[OPEN]	Side air bag module RH circuit is open	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of side air bag module RH • Internal malfunction of air bag diagnosis sensor unit
		[VB-SHORT]	Side air bag module RH circuit is shorted to power supply circuit	<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of side air bag module RH • Internal malfunction of air bag diagnosis sensor unit
		[GND-SHORT]	Side air bag module RH circuit is shorted to ground	<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of side air bag module RH • Internal malfunction of air bag diagnosis sensor unit
		[SHORT]	Side air bag module RH circuits are shorted to each other	<ul style="list-style-type: none"> • Connection malfunction or short circuit of harness and connector • Internal malfunction of side air bag module RH • 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-91, "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-113, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718569

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?

B0028 SIDE AIR BAG MODULE

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

- 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 RH

1. Replace side air bag module RH. Refer to [SR-47, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-113, "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-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-113, "DTC Logic"](#).

Is DTC detected?

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

B0029 CURTAIN AIR BAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B0029 CURTAIN AIR BAG MODULE

DTC Logic

INFOID:000000009718570

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition	Possible cause
B0029	CURTAIN A/B MODULE RH [Right Curtain Deployment Control 1 (Subfault)]	[OPEN]	Curtain air bag module RH circuit is open	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of curtain air bag module RH • Internal malfunction of air bag diagnosis sensor unit
		[VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit	<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of curtain air bag module RH • Internal malfunction of air bag diagnosis sensor unit
		[GND-SHORT]	Curtain air bag module RH circuit is shorted to ground	<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of curtain air bag module RH • Internal malfunction of air bag diagnosis sensor unit
		[SHORT]	Curtain air bag module RH circuits are shorted to each other	<ul style="list-style-type: none"> • Connection malfunction or short circuit of harness and connector • Internal malfunction of curtain air bag module RH • 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-91, "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-115, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718571

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?

B0029 CURTAIN AIR BAG MODULE

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

- 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 RH

1. Replace curtain air bag module RH. Refer to [SR-49, "Removal and Installation"](#)
2. Perform DTC confirmation procedure. Refer to [SRC-115, "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-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-115, "DTC Logic"](#).

Is DTC detected?

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

B0091 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B0091 SATELLITE SENSOR

DTC Logic

INFOID:000000009718572

DTC DETECTION LOGIC

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SRC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause	
B0091	B-PILLAR SAT SEN LH [Left Side Restraints Sensor 1 (Subfault)]	[RESET]	Reset malfunction of B-pillar satellite sensor LH	<ul style="list-style-type: none"> • Connection malfunction of harness or connector • Internal malfunction of B-pillar satellite sensor LH • Internal malfunction of air bag diagnosis sensor unit
		[COMM ERR]	Communication malfunction of B-pillar satellite sensor LH	
		[OPEN]	B-pillar satellite sensor LH circuit is open	
		[UNMATCH]	B-pillar satellite sensor LH is out of the specified specification	
		[OFFSET ERR]	Offset malfunction of B-pillar satellite sensor LH	
		[SELF-DIAG ERR]	Diagnosis malfunction of B-pillar satellite sensor LH	
		[LOWER LIMIT ERR]	Lower limit value malfunction of B-pillar satellite sensor LH	
		[UPPER LIMIT ERR]	Upper limit value malfunction of B-pillar satellite sensor LH	
	[GND-SHORT]	B-pillar satellite sensor LH circuit is shorted to ground	<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of B-pillar satellite sensor LH • 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-91, "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?

B0091 SATELLITE SENSOR

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

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

Diagnosis Procedure

INFOID:000000009718573

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?

- [UNMATCH] >> 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 LH

1. Replace B-pillar satellite sensor LH. Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-117, "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-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-117, "DTC Logic"](#).

Is DTC detected?

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

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B0094 CRASH ZONE SENSOR

DTC Logic

INFOID:000000009718574

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B0094	CRASH ZONE SENS [Center Frontal Restraints Sensor (Subfault)]	[RESET]	Reset malfunction of Crash zone sensor
		[COMM ERR]	Communication malfunction of Crash zone sensor
		[OPEN]	Crash zone sensor circuit is open
		[UNMATCH]	Crash zone sensor is out of the specified specification
		[OFFSET ERR]	Offset malfunction of Crash zone sensor
		[SELF-DIAG ERR]	Diagnosis malfunction of Crash zone sensor
		[LOWER LIMIT ERR]	Lower limit value malfunction of Crash zone sensor
		[UPPER LIMIT ERR]	Upper limit value malfunction of Crash zone sensor
		[GND-SHORT]	Crash zone sensor circuit is shorted to ground

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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-91, "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-120, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

INFOID:000000009718575

Diagnosis Procedure

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?

[UNMATCH] >>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-51, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-119, "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-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-119, "DTC Logic"](#).

Is DTC detected?

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

B0096 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B0096 SATELLITE SENSOR

DTC Logic

INFOID:000000009718576

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause	
B0096	B-PILLAR SAT SEN RH [Right Frontal Restraints Sensor 1(Subfault)]	[RESET]	Reset malfunction of B-pillar satellite sensor RH	<ul style="list-style-type: none"> • Connection malfunction of harness or connector • Internal malfunction of B-pillar satellite sensor RH • Internal malfunction of air bag diagnosis sensor unit
		[COMM ERR]	Communication malfunction of B-pillar satellite sensor RH	
		[OPEN]	B-pillar satellite sensor RH circuit is open	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of B-pillar satellite sensor RH • Internal malfunction of air bag diagnosis sensor unit
		[UNMATCH]	B-pillar satellite sensor RH is out of the specified specification	
		[OFFSET ERR]	Offset malfunction of B-pillar satellite sensor RH	<ul style="list-style-type: none"> • Internal malfunction of B-pillar satellite sensor RH • Internal malfunction of air bag diagnosis sensor unit
		[SELF-DIAG ERR]	Diagnosis malfunction of B-pillar satellite sensor RH	
		[LOWER LIMIT ERR]	Lower limit value malfunction of B-pillar satellite sensor RH	
		[UPPER LIMIT ERR]	Upper limit value malfunction of B-pillar satellite sensor RH	
[GND-SHORT]	B-pillar satellite sensor RH circuit is shorted to ground	<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of B-pillar satellite sensor RH • 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-91, "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?

B0096 SATELLITE SENSOR

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

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

Diagnosis Procedure

INFOID:000000009718577

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?

[UNMATCH] >> 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 RH

1. Replace B-pillar satellite sensor RH. Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-121, "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-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-121, "DTC Logic"](#).

Is DTC detected?

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

B0099 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B0099 SATELLITE SENSOR

DTC Logic

INFOID:000000009718578

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause	
B0099	SATELLITE SENSOR [Roll Over Sensor (Sub-fault)]	[RESET]	Reset malfunction of other satellite sensor	<ul style="list-style-type: none"> • Connection malfunction of harness or connector • Internal malfunction of other satellite sensor • Internal malfunction of air bag diagnosis sensor unit
		[COMM ERR]	Communication malfunction of other satellite sensor	
		[OPEN]	Other satellite sensor circuit is open	<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of other satellite sensor • Internal malfunction of air bag diagnosis sensor unit
		[UNMATCH]	Other satellite sensor is out of the specified specification	Air bag diagnosis sensor unit and other satellite sensor is different from the part specified
		[OFFSET ERR]	Offset malfunction of other satellite sensor	<ul style="list-style-type: none"> • Internal malfunction of other satellite sensor • Internal malfunction of air bag diagnosis sensor unit
		[SELF-DIAG ERR]	Diagnosis malfunction of other satellite sensor	
		[LOWER LIMIT ERR]	Lower limit value malfunction of other satellite sensor	
		[UPPER LIMIT ERR]	Upper limit value malfunction of other satellite sensor	
		[GND-SHORT]	Other satellite sensor circuit is shorted to ground	<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of other satellite sensor • 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-91, "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-124, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

B0099 SATELLITE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

Diagnosis Procedure

INFOID:00000009718579

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 SATELLITE SENSOR

1. Replace satellite sensor. Refer to [SR-53, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-123, "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-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-123, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

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

DTC Logic

INFOID:000000009718580

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1400 B1401 B1402 B1403 B1404 B1405	CONTROL UNIT (air bag control unit internal trouble)	Air bag diagnosis sensor unit is malfunctioning	Malfunction in 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-91, "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-125, "Diagnosis Procedure"](#).

NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718581

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-55, "Removal and Installation"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-125, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

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

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

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

DTC Logic

INFOID:000000009718582

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1406 B1407 B1408 B1409 B1410	CONTROL UNIT (air bag control unit internal trouble)	Air bag diagnosis sensor unit is malfunctioning	Malfunction in 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-91, "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-126, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718583

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-126, "DTC Logic"](#).

Is DTC detected?

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

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

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

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

DTC Logic

INFOID:000000009718584

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1411 B1412 B1413 B1414 B1415	CONTROL UNIT (air bag control unit internal trouble)	Air bag diagnosis sensor unit is malfunctioning	Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAG RESULT

④ With CONSULT

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

④ Without CONSULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to [SRC-91, "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-127, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718585

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-127, "DTC Logic"](#).

Is DTC detected?

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

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

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

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

DTC Logic

INFOID:000000009718586

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1416 B1417 B1418 B1419 B1420	CONTROL UNIT (air bag control unit internal trouble)	Air bag diagnosis sensor unit is malfunctioning	Malfunction in 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-91, "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-128, "Diagnosis Procedure"](#).

NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718587

WARNING:

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

1. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace harness connectors.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace wiring harness.

3. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to [SR-55, "Removal and Installation"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-128, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1421 FRONTAL COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1421 FRONTAL COLLISION DETECTION

DTC Logic

INFOID:000000009718588

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1421	FRONTAL COLLISION DETECTION (Firing Record, Frontal)	Driver air bag, passenger air bag and seat belt 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-91, "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-129, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718589

WARNING:

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

1. PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis. Refer to [SR-33, "FOR FRONTAL COLLISION : When SRS is activated in a collision"](#) or [SR-34, "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-129, "DTC Logic"](#).

B1422 SIDE COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1422 SIDE COLLISION DETECTION

DTC Logic

INFOID:000000009718590

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1422	SIDE COLLISION DETECTION (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-91, "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-130, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718591

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-35, "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision"](#) or [SR-36, "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-130, "DTC Logic"](#).

B1423 ROLLOVER DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1423 ROLLOVER DETECTION

DTC Logic

INFOID:000000009718592

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1423	ROLLOVER DETECTION (Firing Record, Rollover with Rolling state 2)	Front seat belt pre-tensioner, curtain air bag module are deployed because of rollover detection	—

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-91, "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-131, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718593

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-35, "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision"](#) or [SR-36, "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-131, "DTC Logic"](#).

B1425 REAR COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1425 REAR COLLISION DETECTION

DTC Logic

INFOID:000000009718594

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1425	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-91, "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-132, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718595

WARNING:

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

1. PERFORM COLLISION DIAGNOSIS

Perform collision diagnosis. Refer to [SR-33, "FOR FRONTAL COLLISION : When SRS is activated in a collision"](#) or [SR-34, "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-132, "DTC Logic"](#).

B142A IGN VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B142A IGN VOLTAGE

DTC Logic

INFOID:000000009718596

DTC DETECTION LOGIC

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

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-91, "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-133, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718597

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-97, "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.

B142A IGN VOLTAGE

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

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-55, "Removal and Installation"](#).

2. Perform DTC confirmation procedure. Refer to [SRC-133, "DTC Logic"](#).

Is DTC detected?

YES >> GO TO 1.

NO >> INSPECTION END

B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1430 SEAT BELT PRE-TENSIONER

DTC Logic

INFOID:000000009718598

DTC DETECTION LOGIC

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

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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-91, "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-135, "Diagnosis Procedure"](#).
NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718599

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.

B1430 SEAT BELT PRE-TENSIONER

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

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 LH

1. Replace seat belt pre-tensioner LH. Refer to [SR-57, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-135, "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-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-135, "DTC Logic"](#).

Is DTC detected?

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

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

[FOR MEXICO]

B1431 SEAT BELT PRE-TENSIONER

DTC Logic

INFOID:000000009718600

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	Possible cause
B1431	PRE-TEN FRONT RH (Front seat belt pre-tensioner squib right hand circuit)	[OPEN]	Seat belt pre-tensioner RH circuit is open
		[VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit
		[GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground
		[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other
			<ul style="list-style-type: none"> • Connection malfunction or open circuit of harness and connector • Internal malfunction of seat belt pre-tensioner RH • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to power supply of harness and connector • Internal malfunction of seat belt pre-tensioner RH • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit to ground of harness and connector • Internal malfunction of seat belt pre-tensioner RH • Internal malfunction of air bag diagnosis sensor unit
			<ul style="list-style-type: none"> • Connection malfunction or short circuit of harness and connector • Internal malfunction of seat belt pre-tensioner RH • 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-91, "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-137, "Diagnosis Procedure"](#).
 NO >> INSPECTION END

Diagnosis Procedure

INFOID:000000009718601

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?

B1431 SEAT BELT PRE-TENSIONER

[FOR MEXICO]

< DTC/CIRCUIT DIAGNOSIS >

- 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 RH

1. Replace seat belt pre-tensioner RH. Refer to [SR-57, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-137, "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-55, "Removal and Installation"](#).
2. Perform DTC confirmation procedure. Refer to [SRC-137, "DTC Logic"](#).

Is DTC detected?

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

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:000000009718602

DTC	Diagnostic item		Number of times of warning lamp blinking in diagnosis mode		Reference page
			System display	Item display	
U1000	CAN COMM CIRCUIT	—	—	—	SRC-97, "DTC Logic"
U1010	CONTROL UNIT (CAN)	—	—	—	SRC-98, "DTC Logic"
B0001	DRIVER AIRBAG MODULE	[OPEN]	Front air bag system	1	SRC-99, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0002	DRIVER AIRBAG MODULE 2	[OPEN]	Front air bag system	1	SRC-102, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0010	ASSIST A/B MODULE	[OPEN]	Front air bag system	2	SRC-105, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0011	ASSIST A/B MODULE 2	[OPEN]	Front air bag system	2	SRC-107, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0020	SIDE A/B MODULE LH	[OPEN]	Side air bag system	1	SRC-109, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0021	CURTAIN A/B MODULE LH	[OPEN]	Side air bag system	3	SRC-111, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0028	SIDE A/B MODULE RH	[OPEN]	Side air bag system	2	SRC-113, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B0029	CURTAIN A/B MODULE RH	[OPEN]	Side air bag system	4	SRC-115, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

DTC	Diagnostic item		Number of times of warning lamp blinking in diagnosis mode		Reference page
			System display	Item display	
B0091	B-PILLAR SAT SEN LH	[RESET]	Sensor system	2	SRC-117. "DTC Logic"
		[COMM ERR]			
		[OPEN]			
		[UNMATCH]			
		[OFFSET ERR]			
		[SELF-DIAG ERR]			
		[LOWER LIMIT ERR]			
		[UPPER LIMIT ERR]			
		[GND-SHORT]			
B0094	CRASH ZONE SENS	[RESET]	Sensor system	1	SRC-119. "DTC Logic"
		[COMM ERR]			
		[OPEN]			
		[UNMATCH]			
		[OFFSET ERR]			
		[SELF-DIAG ERR]			
		[LOWER LIMIT ERR]			
		[UPPER LIMIT ERR]			
		[GND-SHORT]			
B0096	B-PILLAR SAT SEN RH	[RESET]	Sensor system	3	SRC-121. "DTC Logic"
		[COMM ERR]			
		[OPEN]			
		[UNMATCH]			
		[OFFSET ERR]			
		[SELF-DIAG ERR]			
		[LOWER LIMIT ERR]			
		[UPPER LIMIT ERR]			
		[GND-SHORT]			
B0099	SATELLITE SENSOR	[RESET]	Sensor system	12	SRC-123. "DTC Logic"
		[COMM ERR]			
		[OPEN]			
		[UNMATCH]			
		[OFFSET ERR]			
		[SELF-DIAG ERR]			
		[LOWER LIMIT ERR]			
		[UPPER LIMIT ERR]			
		[GND-SHORT]			
B1400-B1405	CONTROL UNIT	[UNIT MALFUNC]	Air bag control unit system	2	SRC-125. "DTC Logic"
B1406-B1410	CONTROL UNIT	[UNIT MALFUNC]	Air bag control unit system	2	SRC-126. "DTC Logic"
B1411-B1415	CONTROL UNIT	[UNIT MALFUNC]	Air bag control unit system	2	SRC-127. "DTC Logic"
B1416-B1420	CONTROL UNIT	[UNIT MALFUNC]	Air bag control unit system	2	SRC-128. "DTC Logic"

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

DTC	Diagnostic item		Number of times of warning lamp blinking in diagnosis mode		Reference page
			System display	Item display	
B1421	FRONTAL COLLISION	—	Air bag control unit system	1	SRC-129, "DTC Logic"
B1422	SIDE COLLISION	—	Air bag control unit system	1	SRC-130, "DTC Logic"
B1423	ROLLOVER DETECTION	—	Air bag control unit system	1	SRC-131, "DTC Logic"
B1425	REAR COLLISION	—	Air bag control unit system	1	SRC-132, "DTC Logic"
B142A	IGNITION VOLTAGE	[VB-LOW]	—	—	SRC-133, "DTC Logic"
		[VB-HIGH]	—	—	
B1430	PRE-TEN FRONT LH	[OPEN]	Front air bag system	3	SRC-135, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			
B1431	PRE-TEN FRONT RH	[OPEN]	Front air bag system	4	SRC-137, "DTC Logic"
		[VB-SHORT]			
		[GND-SHORT]			
		[SHORT]			

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DIAGNOSIS SENSOR UNIT

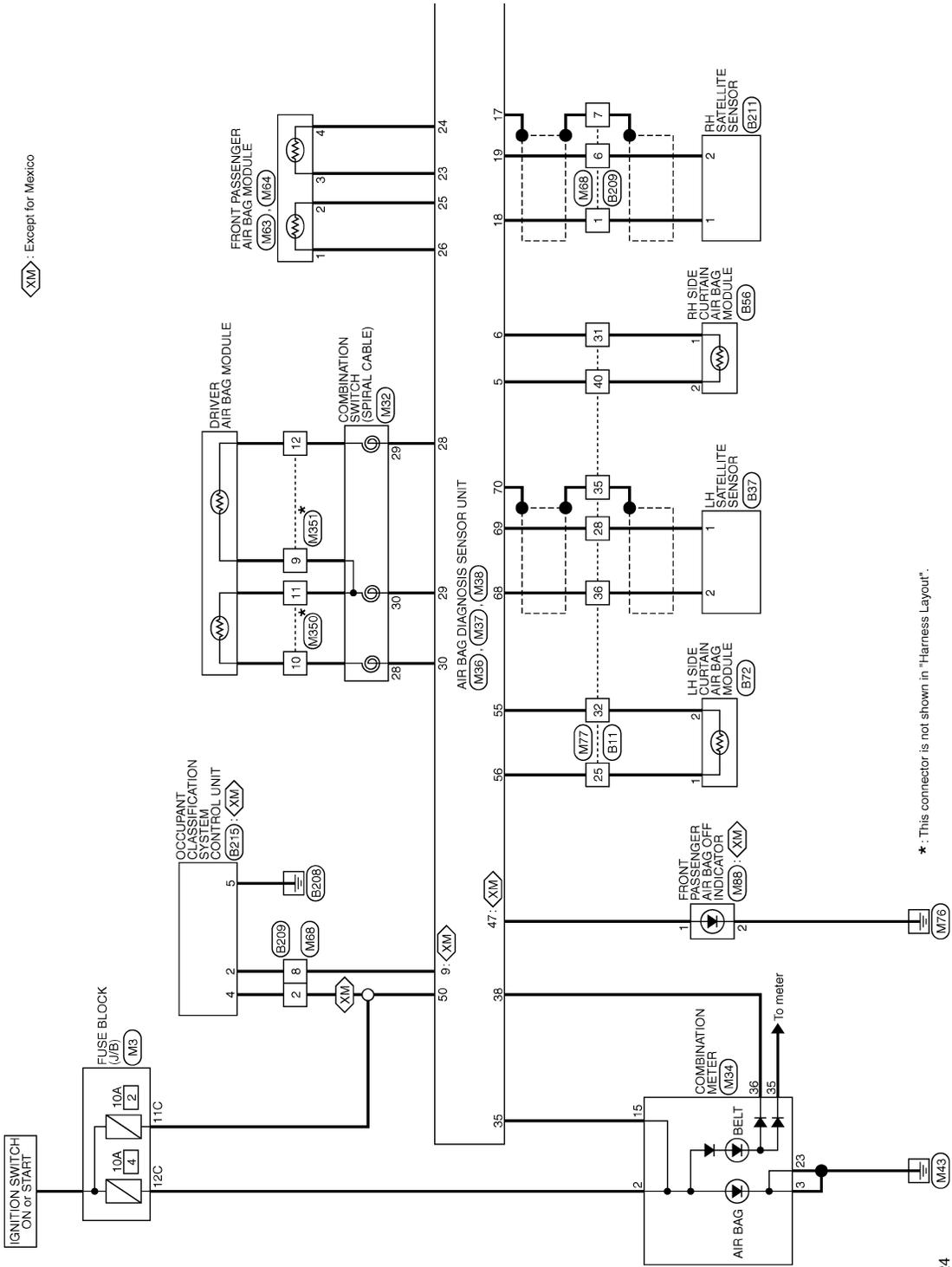
< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

Wiring Diagram — SRS AIR BAG CONTROL SYSTEM —

INFOID:00000009718603

SRS AIR BAG CONTROL SYSTEM



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

(XM) : Except for Mexico

2012/08/24

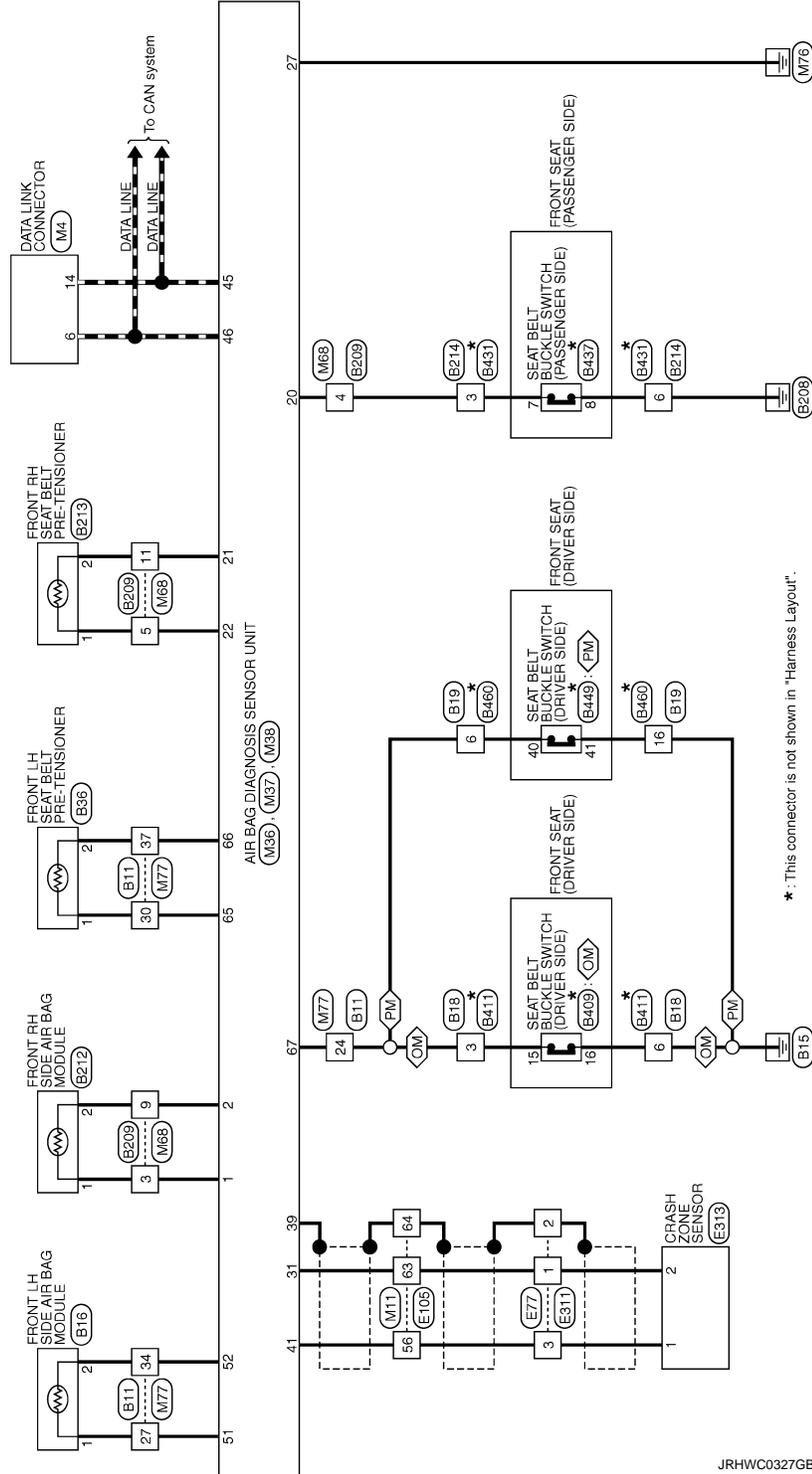
JRHWC0326GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

◊ PM : With automatic drive positioner
 ◊ OM : Without automatic drive positioner



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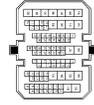
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH88MM-CSI9



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	
2	R/L	
3	R/L	
4	R/W	
6	P	
7	V	
8	SHIELD	
9	BR/L	
10	Y/G	
11	Y/L	
12	W/L	
13	L	
14	BR	
15	SB	
16	SP	
17	Y	
18	SB	
19	R	
20	P	
21	LG	
22	W	
23	Y	
24	GR	
25	Y	
27	V	
28	R	
30	P	
31	BR	
32	SB	
34	SB	
35	SHIELD	
36	LG	
37	LG	
40	Y	
41	GR	

42	G	
46	G	
48	LG	
49	SB	
47	R	
88	GR	
89	GR	
90	Y	
91	G	
92	BR	
93	G	
94	V	
95	BR	
96	GR	
98	LG	
99	O	

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



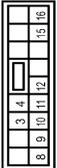
Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	
2	SB	

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	
2	BR	
3	GR	
4	O	
5	G	
6	B/W	

Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	NS19FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	
2	L	
3	W	
4	P	
5	V	
6	GR	
7	Y	
8	P	
10	LG	
11	R	
12	SB	
13	O	

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM

14	BR	-
13	OR	-
12	BY	-

Connector No.	B212
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACB02FY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	LG	-

Connector No.	B213
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACB02FY



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

Connector No.	B216
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACB02FY



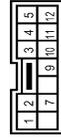
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	Y	-

Connector No.	B217
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACB02FY



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

Connector No.	B219
Connector Name	WIRE TO WIRE
Connector Type	TK12MG-Y-BD



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	Y	-
3	Y	-
4	BR	-
5	Y	-
6	G	-
7	SHIELD	-
8	LG	-
9	P	-
11	SB	-

Connector No.	B211
Connector Name	RH SATELLITE SENSOR
Connector Type	HK02FY-IV-EX



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

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



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

Connector No.	B213
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	ACB02FY



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

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM

Connector No.	B214
Connector Name	WIRE TO WIRE
Connector Type	NS36BW-CS



Connector No.	B409
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A03MW-P



Connector No.	B431
Connector Name	WIRE TO WIRE
Connector Type	NS36MW-CS

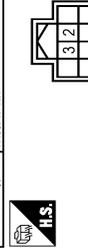


Connector No.	B449
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A03MW-P



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	BR	-
4	GR	-
5	G	-
6	B/W	-

Connector No.	B215
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH06PW-NH



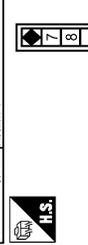
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	LG	-
3	GR	-

Connector No.	B411
Connector Name	WIRE TO WIRE
Connector Type	NS36MW-CS



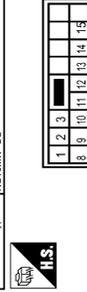
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	GR	-
3	W/G	-
4	B/R	-
5	B/R	-
6	GR	-

Connector No.	B437
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	A03MW-P



Terminal No.	Color Of Wire	Signal Name [Specification]
1	RD	-
41	GR	-

Connector No.	B460
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	W/G	-
4	GR	-
5	B/R	-
6	GR	-

Terminal No.	Color Of Wire	Signal Name [Specification]
7	W/G	-
8	GR	-

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	P	-
3	G/O	-
4	O/L	-
5	V	-
6	W/G	-
7	B	-
8	W/L	-
9	P/L	-
10	O	-
11	V	-
12	W/W	-
13	W/R	-
14	BR	-
15	B/R	-
16	GR	-

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM

Connector No.	E177
Connector Name	WIRE TO WIRE
Connector Type	HK03MB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	SHIELD	-
3	W/L	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH10MM-CSD-M3



Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	-
5	LG	-
6	GR	-
8	G	-
11	P	-
12	L	-
13	Y	-
14	O	-
15	BR	-
20	BR	-
22	L	-
24	L	-
25	O	-
28	SB	-
29	W	-
30	Y	-

38	R	-
39	L	-
40	B	-
41	P	-
42	L	-
43	SB	-
44	GR	-
45	LG	-
46	V	-
47	GR	-
48	BR	-
49	Y	-
50	W/L	-
51	V	-
52	BR	-
53	SHIELD	-
54	O	-
55	W/L	-
56	SHIELD	-
57	W	-
58	BR	-
59	Y	-
60	SB	-
61	GR	-
62	Y	-
63	L	-
64	W	-
65	BR	-
66	GR	-
67	SB	-
68	Y	-
69	GR	-
70	SB	-
71	Y	-
72	L	-
73	W	-
74	BR	-
75	GR	-
76	G	-
77	Y	-
78	V	-
79	R	-
80	Y	-
81	W	-
82	LG	-
83	O	-

Connector No.	E311
Connector Name	WIRE TO WIRE
Connector Type	RK03FB-BD



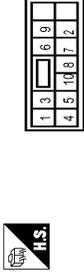
Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	-
2	O	-
3	O	-

Connector No.	E313
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02F7-IV-EX



Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	-
2	W	-

Connector No.	M3
Connector Name	FUSE BLOCK (J B)
Connector Type	NIS2FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	SB	-
10D	R	-
10E	G	-
6C	BR	-
7C	B	-
8C	G	-
9C	GR	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	BR	-
8	G	-
14	SB	-
16	Y	-

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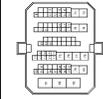
DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Type	THH9FW-CSDJ-M3



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	
2	BR	
3	BR	
4	G	
5	G	
6	G	
7	R	
8	R	
9	P	
10	L	
11	L	
12	L	
13	Y	
14	Y	
15	R	
16	W	
17	Y	
18	Y	
19	L	
20	W	
21	BR	
22	LG	
23	Y	
24	L	
25	L	
26	BR	
27	L	
28	R	
29	L	
30	R	
31	R	
32	R	
33	L	
34	B	
35	P	
36	L	
37	Y	
38	Y	
39	L	
40	B	
41	P	
42	L	
43	L	
44	W	
45	GR	
46	GR	
47	Y	
48	Y	
49	SB	
50	SB	
51	LG	
52	Y	
53	Y	
54	SB	
55	P	
56	LG	
57	V	
58	GR	
59	BR	
60	V	
61	GR	
62	BR	
63	V	

64	SHIELD	
65	W	
66	R	
67	P	
68	W	
69	G	
70	G	
71	G	
72	BR	
73	L	
74	W	
75	BR	
76	R	
77	G	
78	G	
79	G	
80	R	
81	W	
82	W	
83	BG	

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TH9BFY-EX-TV



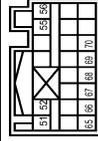
Terminal No.	Color Of Wire	Signal Name [Specification]
23	R	
24	Y	
25	Y/V	
26	Y	
27	Y	
28	Y	
29	Y/V	
30	Y	
30	Y/R	

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH9DFW-BH



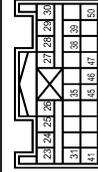
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BATTERY POWER SUPPLY
2	LG	CAN SIGNAL
3	B	GROUND
4	B	GROUND
5	SB	ILLUMINATION CONTROL SIGNAL
6	SB	TRIP RESET SIGNAL
7	W	SW ILL POWER
8	W	METER CONTROL SWITCH GROUND
9	L	ENTER SWITCH SIGNAL
10	L	SELECT SWITCH SIGNAL
11	R	ILLUMINATION CONTROL SWITCH SIGNAL (-)
12	R	ILLUMINATION CONTROL SWITCH SIGNAL (-)
13	V	AIR BAG SIGNAL
14	GR	AMBIENT SENSOR SIGNAL
15	BR	AMBIENT SENSOR SIGNAL
16	L	AMBIENT SENSOR GROUND
17	Y	AMBIENT SENSOR GROUND
18	L	CAN-H
19	L	CAN-H
20	P	GROUND
21	B	FUEL LEVEL SENSOR GROUND
22	B	ALTERNATOR SIGNAL
23	W	PARKING BRAKE SWITCH SIGNAL
24	BR	WASHER LEVEL SWITCH SIGNAL
25	G	VEHICLE SPEED SIGNAL (2-PULSE)
26	G	VEHICLE SPEED SIGNAL (3-PULSE)
27	V	OVERDRIVE CONTROL SWITCH SIGNAL
28	V	FUEL LEVEL SENSOR SIGNAL
29	G	SEAT BELT SWITCH SIGNAL (DRIVER SIDE)
30	R	SEAT BELT SWITCH SIGNAL (PASSENGER SIDE)

Connector No.	M35
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH22FY-ZV-EX



Terminal No.	Color Of Wire	Signal Name [Specification]
51	Y	SIDE IFF LH+
52	Y	SIDE IFF RH+
53	ER	INF CURTAIN LH+
54	ER	INF CURTAIN RH+
55	Y	ELR LH+
56	Y	ELR RH+
65	Y	BUCKLE SW LH
66	Y	BUCKLE SW RH
67	SB	SIDE SENS LH+
68	G	SIDE SENS LH-
69	R	SIDE SENS RH+
70	B	GROUND [With Advanced Airbag Unit]
70	SHIELD	GROUND [With Standard Airbag Unit]

Connector No.	M37
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH28FY-EX



Terminal No.	Color Of Wire	Signal Name [Specification]
23	Y	INFLATOR ASS2+
24	Y/R	INFLATOR ASS2-
25	Y/R	INFLATOR ASS1+
26	Y/G	INFLATOR ASS1-
27	B	GROUND
28	Y/G	INFLATOR DR2+
29	Y/R	INFLATOR DR1+3DR2-
30	Y	INFLATOR DR1+
31	V	EGZS-

DIAGNOSIS SENSOR UNIT

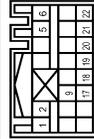
< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM

39	BR	A/B W/L
38	SHIELD	SE
40	GROUND	EC23+
41	LG	EC23+
45	P	CAN L
46	L	CAN HI
47	V	A/B CUTOFF TERTIALE
50	R	IGNITION SIGNAL

Connector No.	M38
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	1NHZF1-IV-EX



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	SIDE INF RH+
2	Y	SIDE INF RH-
5	BR	INF-CURTAIN RH-
6	W	INF-CURTAIN RH+
9	V	ODS IN/OUT
17	SHIELD	GROUND [Main-Accessed Airbag unit]
18	R	GROUND [Main-Accessed Airbag unit]
19	G	SIDE SEATS RH+
20	L	SIDE SEATS RH-
21	Y	BUCKLE SW RH
22	Y	ELR RH+

SRS AIR BAG CONTROL SYSTEM

Connector No.	M63
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	JGAG2EB



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

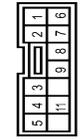
Connector No.	M64
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	JGAG2FOR



Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	
4	Y/R	

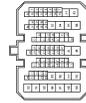
SRS AIR BAG CONTROL SYSTEM

Connector No.	M69
Connector Name	WIRE TO WIRE
Connector Type	TK12EG-Y



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	
2	Y	
3	Y	
4	L	
5	Y	
6	G	
7	B	
8	V	
9	Y	
11	Y	

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	THBPFH-ZS18



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	
2	B	
3	W	
6	W	
7	G	
8	SHIELD	
9	W	
10	R	
11	G	

12	B	
13	P	
14	P	
15	SB	
16	R	
17	V	
18	P	
19	P	
20	LG	
21	Y	
22	BR	
23	LG	
24	SB	
25	Y	
27	Y	
28	Y	
30	Y	
31	W	
32	BR	
34	Y	
35	B	
36	G	
37	Y	
40	BR	
41	LG	
42	SB	
46	G	
47	LG	
48	SB	
49	CP	
48	SHIELD	
49	BR	
49	R	
50	LG	
50	R	
51	R	
51	V	
52	B	
53	BR	
54	B	
55	G	
56	P	
58	P	
58	SB	
59	R	
59	SHIELD	
60	B	
60	Y	
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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS INFORMATION >

[FOR MEXICO]

SRS AIR BAG CONTROL SYSTEM

82	W	-
83	L	-
84	Y	-
85	R	-
86	V	-
87	L	-
88	Y	-
89	G	-
90	W	-
91	W	-
92	BR	-
93	P	-
94	V	-
95	W	-
96	SB	-
97	L	-
98	LG	-
99	Y	-

Connector No.	M88
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TK03FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	A	-
2	B	-

Connector No.	M850
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACAG2FY-ZV



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

Connector No.	M851
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACAG2FDR



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

JRHWC1246GB

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

[FOR MEXICO]

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:000000009718604

1. CHECK FRONT AIR BAG MODULE

Check the deployment of front air bag module.

Is air bag module deployed?

YES >> Refer to [SR-39, "Removal and Installation"](#) or [SR-45, "Removal and Installation"](#).

NO >> GO TO 2.

2. CHECK AIR BAG FUSE

Check the air bag fuse. Refer to [PG-92, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.2, located in fuse block (J/B)] normal?

YES >> GO TO 4.

NO >> GO TO 3.

3. CHECK AIR BAG FUSE AGAIN

Replace air bag fuse and turn ignition switch ON.

Did the air bag fuse blow again?

YES >> Repair or replace main harness.

NO >> **INSPECTION END**

4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Check the screen of CONSULT.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace air bag diagnosis sensor unit. Refer to [SR-55, "Removal and Installation"](#).

5. CHECK HARNESS CONNECTION

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

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to [GI-44, "Intermittent Incident"](#).

NO >> Replace wiring harness connector.

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SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

[FOR MEXICO]

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:000000009718605

1.CHECK METER FUSE

Check the meter fuse. Refer to [PG-92, "Fuse and Fusible Link Arrangement"](#).

Is 10A fuse [No.4, located in fuse block (J/B)] normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK METER FUSE AGAIN

Replace 10A fuse [No.4, located in fuse block (J/B)] and turn ignition switch ON.

Did the meter fuse blow again?

YES >> Repair or replace the related harness.

NO >> **INSPECTION END**

3.CHECK HARNESS CONNECTION

1. Check harness connection between air bag diagnosis sensor unit and combination meter.

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

Did air bag warning lamp turn ON?

YES >> Replace air bag diagnosis sensor unit. Refer to [SR-55, "Removal and Installation"](#).

NO >> Replace combination meter assembly. Refer to [MWI-105, "Removal and Installation"](#).

PRECAUTION

PRECAUTIONS

Precautions for Removing of Battery Terminal

INFOID:0000000010032067

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

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.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

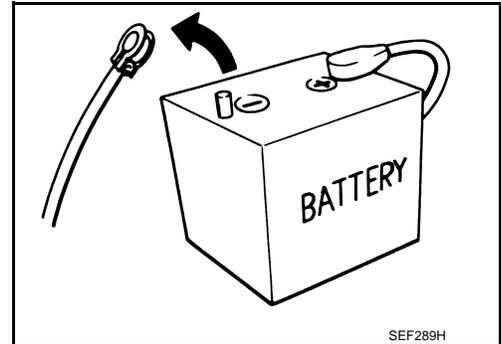
NOTE:

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.



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

INFOID:000000009718606

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

WARNING:

Always observe the following items for preventing accidental activation.

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

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

WARNING:

Always observe the following items for preventing accidental activation.

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

Service

INFOID:000000009718607

- 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.

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SRC

PRECAUTIONS

[FOR MEXICO]

< PRECAUTION >

- Diagnosis sensor unit must always be installed with their arrow marks “←” pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned in the neutral position since its rotations are limited. Do not turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper functioning after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.