SECTION SRC
SRS AIRBAG CONTROL SYSTEM

CONTENTS

PRECAUTION

PRECAUTIONS

Precautions for Removing Battery Terminal

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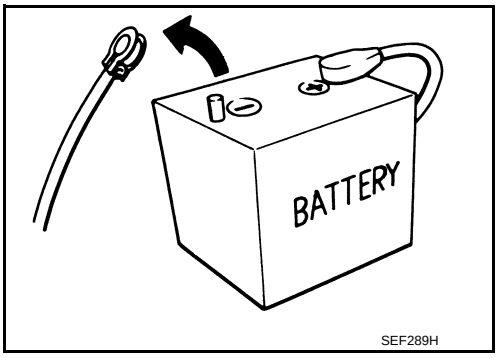

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
  NOTE:
  ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption 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"

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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

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- Never 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 3 minutes or more.

For approximately 3 minutes after the cables are removed, it is still possible for the air bag and seat belt pretensioner to deploy. Therefore, never work on any SRS connectors or wires until at least 3 minutes have passed.

- 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 with the neutral position since its rotations are limited. Never turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper function after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.
- Never solder the harness when making repairs. Check that harness is not pinched and that there is no contact with other components.
- Never allow harness to come in contact with oil, grease, waste oil, or water.
- Never insert foreign materials, such as a screwdriver, into the harness connector. (This is to prevent accidental activation caused by static electricity.)
- Always use CONSULT or SRS air bag warning lamp to perform the circuit diagnosis. (Never use an electric tester such as a circuit tester.)

SYSTEM DESCRIPTION

COMPONENT PARTS

Component Parts Location

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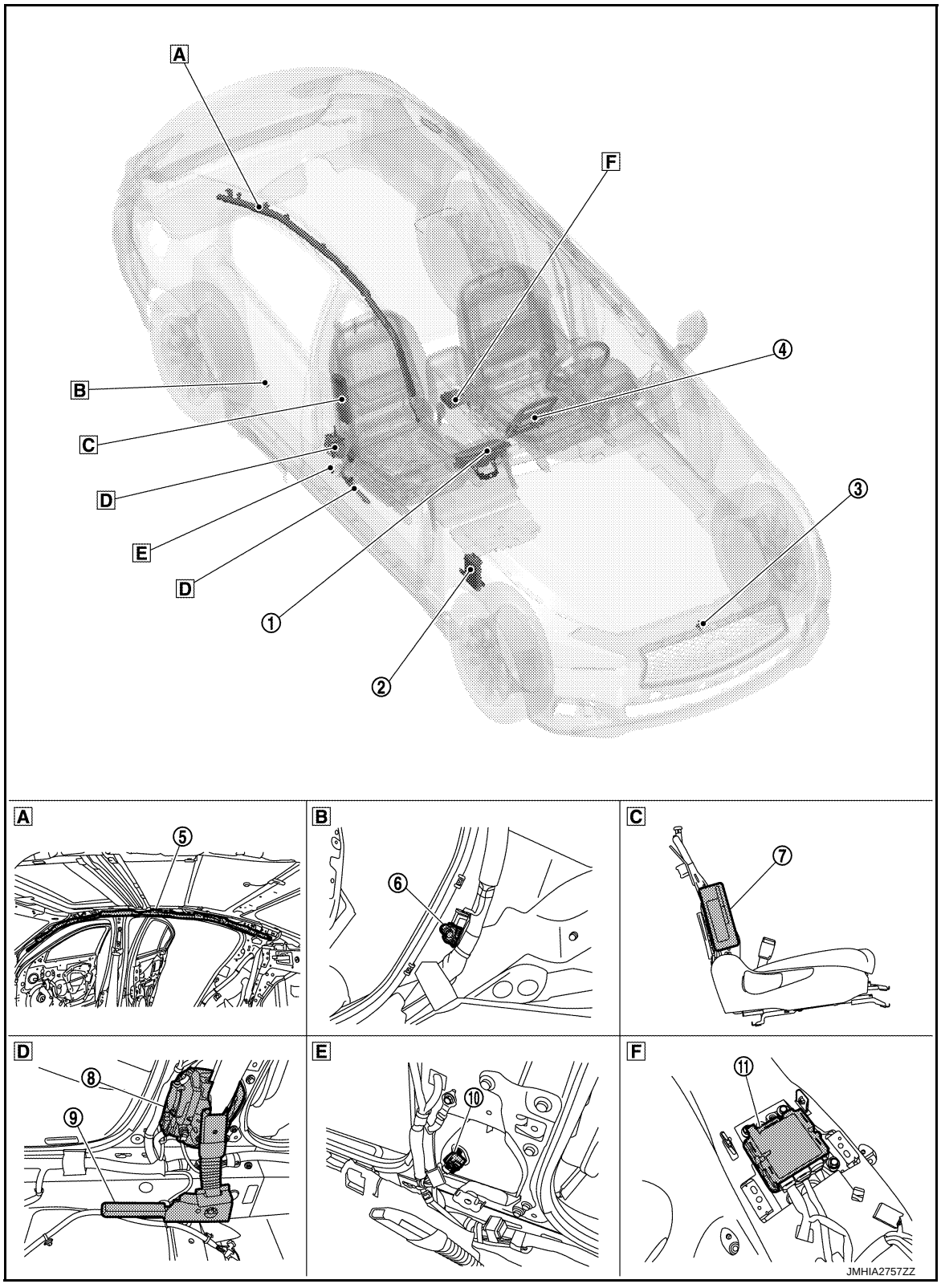
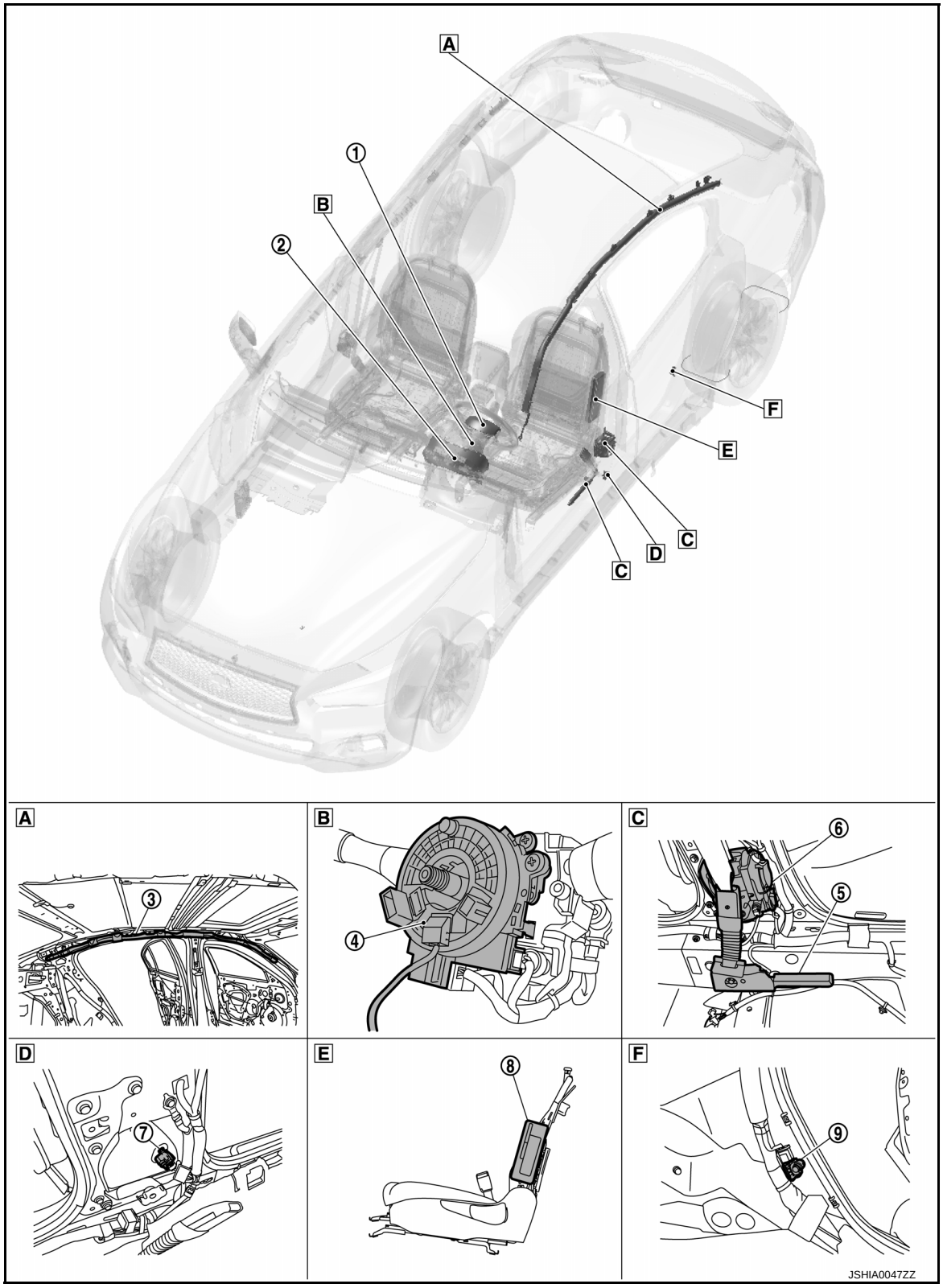


A View with headlining assembly removed
B Behind rear wheel house garnish
C View with seatback pad removed
D Behind center pillar lower garnish
E View with seat belt pre-tensioner retractor removed
F View with center console assembly removed

No.	Component	Function
①	Passenger air bag module	Refer to SR-5, "AIR BAG MODULE : Passenger air bag module".
②	BCM	Receive the collision detection signal when air bag diagnosis sensor unit detects collision. Refer to BCS-4, "BODY CONTROL SYSTEM : Component Parts Location" for detailed installation location.
③	Crash zone sensor	Refer to SR-8, "MAIN COMPONENT PARTS AND FUNCTIONS : Crash zone sensor".
④	Integral switch (Front passenger air bag OFF indicator)	Refer to SRC-10, "Front Passenger Air Bag Off Indicator".
⑤	Curtain air bag module RH	Refer to SR-6, "AIR BAG MODULE : Curtain air bag module".
⑥	C-pillar satellite sensor RH	Refer to SR-8, "MAIN COMPONENT PARTS AND FUNCTIONS : Satellite sensor".
⑦	Side air bag module RH	Refer to SR-6, "AIR BAG MODULE : Side air bag module".
⑧	Seat belt pre-tensioner RH	Refer to SB-4, "Seat belt pre-tensioner with Load limiter".
⑨	Lap pre-tensioner RH	Refer to SB-5, "Double pre-tensioner seat belt".
⑩	B-pillar satellite sensor RH	Refer to SR-8, "MAIN COMPONENT PARTS AND FUNCTIONS : Satellite sensor".
⑪	Air bag diagnosis sensor unit	Refer to SR-9, "MAIN COMPONENT PARTS AND FUNCTIONS : Air bag diagnosis sensor unit".



A View with headlining assembly removed

B View with steering wheel removed

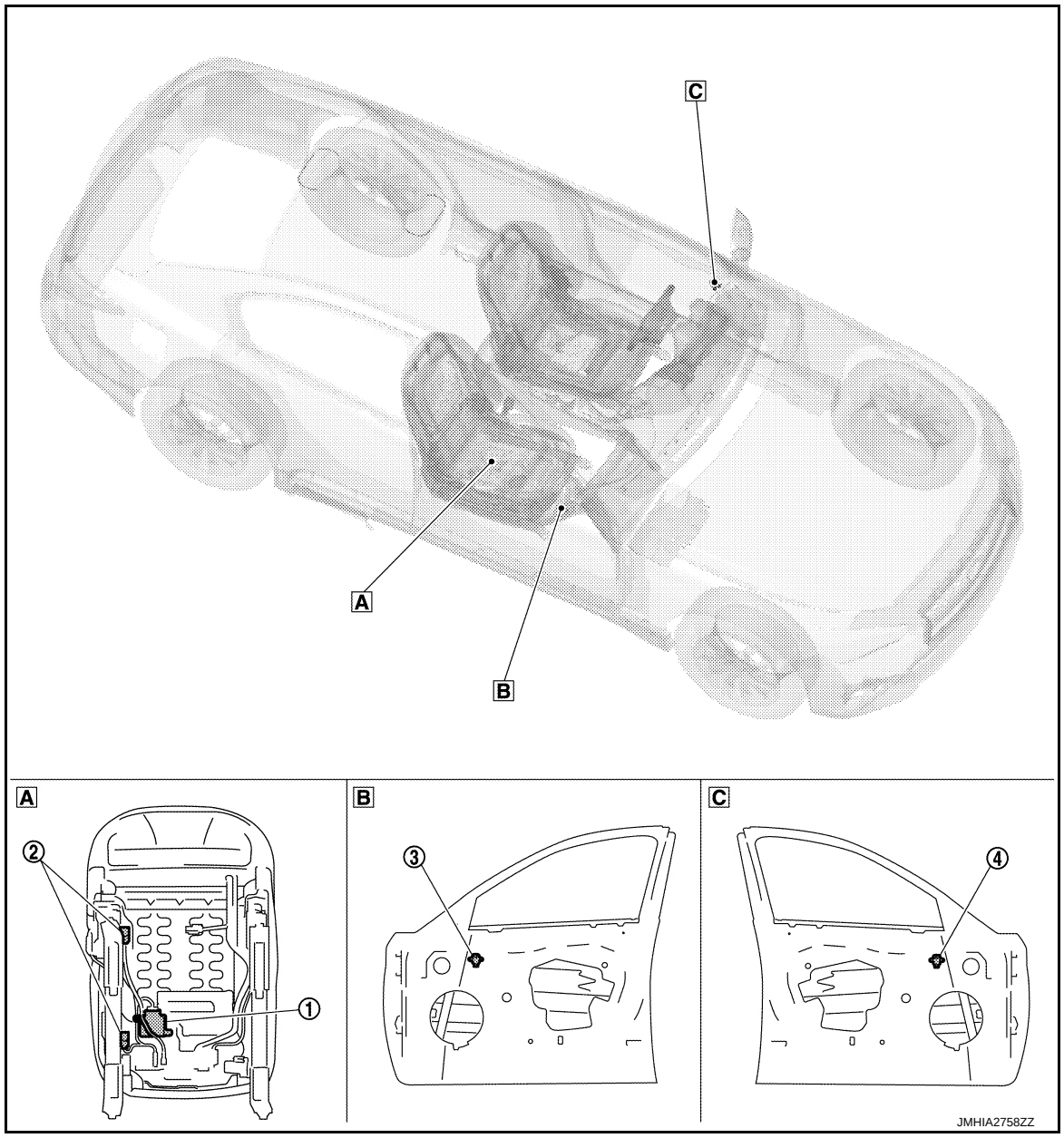
C Behind center pillar lower garnish

D View with seat belt pre-tensioner retractor removed

E View with seatback pad removed

F Behind rear wheel house garnish

No.	Component	Function
①	Driver air bag module	Refer to SR-5, "AIR BAG MODULE : Driver air bag module".
②	Combination meter (air bag warning lamp)	Indicates air bag malfunctioning and deployment by blinking and illuminating air bag warning lamp.
③	Curtain air bag module LH	Refer to SR-6, "AIR BAG MODULE : Curtain air bag module".
④	Spiral cable	Refer to SR-8, "MAIN COMPONENT PARTS AND FUNCTIONS : Spiral cable".
⑤	Lap pre-tensioner LH	Refer to SB-5, "Double pre-tensioner seat belt".
⑥	Seat belt pre-tensioner LH	Refer to SB-4, "Seat belt pre-tensioner with Load limiter".
⑦	B-pillar satellite sensor LH	Refer to SR-8, "MAIN COMPONENT PARTS AND FUNCTIONS : Satellite sensor".
⑧	Side air bag module LH	Refer to SR-6, "AIR BAG MODULE : Side air bag module".
⑨	C-pillar satellite sensor LH	Refer to SR-8, "MAIN COMPONENT PARTS AND FUNCTIONS : Satellite sensor".



Ⓐ Backside passenger seat cushion frame

Ⓑ View with front door finisher RH removed

Ⓒ View with front door finisher LH removed

No.	Component	Function
①	Occupant detection system control unit	Refer to SR-10, "MAIN COMPONENT PARTS AND FUNCTIONS : Occupant detection system control unit".
②	Occupant detection system sensor	Refer to SR-10, "MAIN COMPONENT PARTS AND FUNCTIONS : Occupant detection system sensor".
③	Front door satellite sensor RH	Refer to SR-8, "MAIN COMPONENT PARTS AND FUNCTIONS : Satellite sensor".
④	Front door satellite sensor LH	Refer to SR-8, "MAIN COMPONENT PARTS AND FUNCTIONS : Satellite sensor".

Front Passenger Air Bag Off Indicator

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Front passenger air bag OFF indicator indicates whether or not passenger air bag is in the activation mode based on the judgement of occupant detection system.

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SYSTEM
SRS AIR BAG SYSTEM
SRS AIR BAG SYSTEM : System Description

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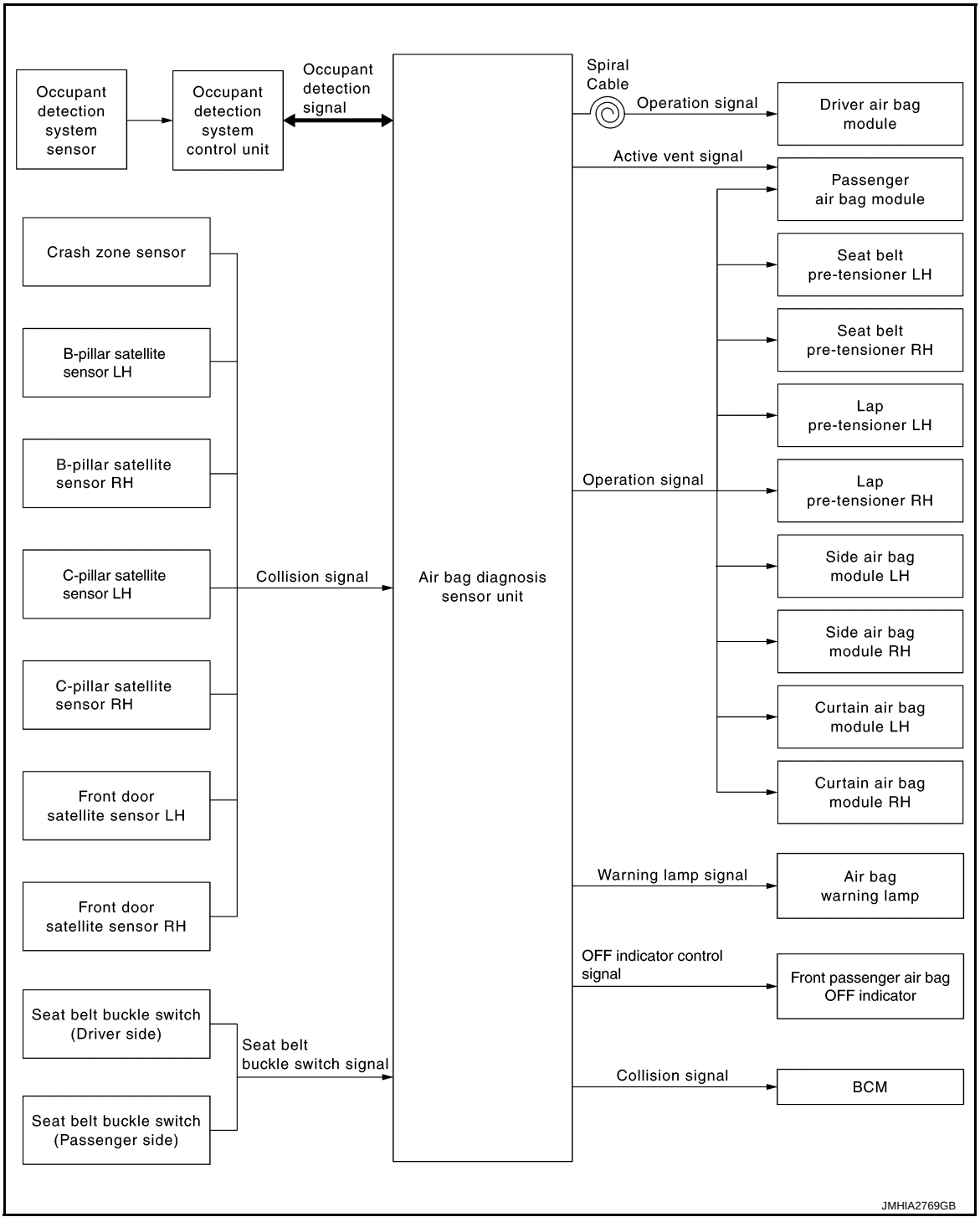
SYSTEM DIAGRAM



NOTE:
For models for Mexico, front door satellite sensors and active vent signal are not applied.

SYSTEM DESCRIPTION

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.

< SYSTEM DESCRIPTION >

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, 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. At the same time, pre-tensioner seat belt receives power supply from air bag diagnosis sensor unit, gas generator is activated, and then gas is generated.
Balls in pipe are moved according to generated gas pressure and strike pinion gear on ELR shaft.
ELR shaft rotates and retracts seat belt.

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 turns air bag warning lamp ON.
- Detects and records the deployment of air bag and seat belt pre-tensioner, and turns ON air bag warning lamp.
- Indicates malfunctioning portion via the number of blinks from the air bag warning lamp in the diagnosis mode.
- Indicates the malfunction record via CONSULT.
- Transmits collision detection signal to BCM and other ECU when a collision is detected (collision detection output function).

COLLISION MODES

The operation of SRS is different depending on the collision modes applications. For example, the driver air bag module, passenger air bag module, seat belt pre-tensioner and lap pre-tensioner are activated in a frontal collision.
SRS configurations that are activated for the following collision modes.

×: Apply —: Not apply

SRS configuration	Frontal collision	Rear collision	Left side collision	Right side collision
Driver air bag module	×	—	—*1	—*1
Passenger air bag module	×	—	—*1	—*1
Seat belt pre-tensioner LH	×	—*1	×	—*1
Seat belt pre-tensioner RH	×	—*1	—*1	×
Lap pre-tensioner LH	×	—*1	—*1	—*1
Lap pre-tensioner RH	×	—*1	—*1	—*1
Side air bag module LH	—*2	—	×	—*2
Side air bag module RH	—*3	—	—*3	×
Curtain air bag module LH	—*2	—	×	—*2
Curtain air bag module RH	—*3	—	—*3	×
Collision detection output function	×	×	×	×

*1: SRS may be activated when an excessive impact is applied toward the front of the vehicle.

*2: SRS may be activated when an excessive impact is applied toward the left of the vehicle.

*3: SRS may be activated when an excessive impact is applied toward the right of the vehicle.

OCCUPANT DETECTION SYSTEM

This Occupant Detection System has the following functions.

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

4. When “zero point reset” for occupant detection system is incomplete, CONSULT indicates that “zero point reset” is incomplete.
   This function is applied to NISSAN genuine parts only.

NOTE:
- Operation of air bag diagnosis sensor unit when air bag diagnosis sensor unit receives information from Occupant Detection System.
- Even if zero point reset is “complete”, always perform zero point reset after the removal and installation of seat or the removal of control unit harness connector.

Status (front passenger seat)	**Passenger air bag**	**Front passenger air bag OFF indicator**	**Air bag warning lamp**
Empty	Suppress	OFF	OFF
An object	Suppress	ON	OFF
Child/ child-seat	Suppress	ON	OFF
Adult	Enable to deploy	OFF	OFF
Malfunction	Suppress	ON	ON
Zero point reset Not yet performed (NISSAN genuine parts only)	Suppress	ON	ON

Active Vent Function

Air bag diagnosis sensor module opens vent of passenger side air bag module by passenger side occupant detecting condition if necessary. The pressure of the developed air bag falls, and the passenger side occupant is take care of appropriately.

SRS AIR BAG SYSTEM : Circuit Diagram

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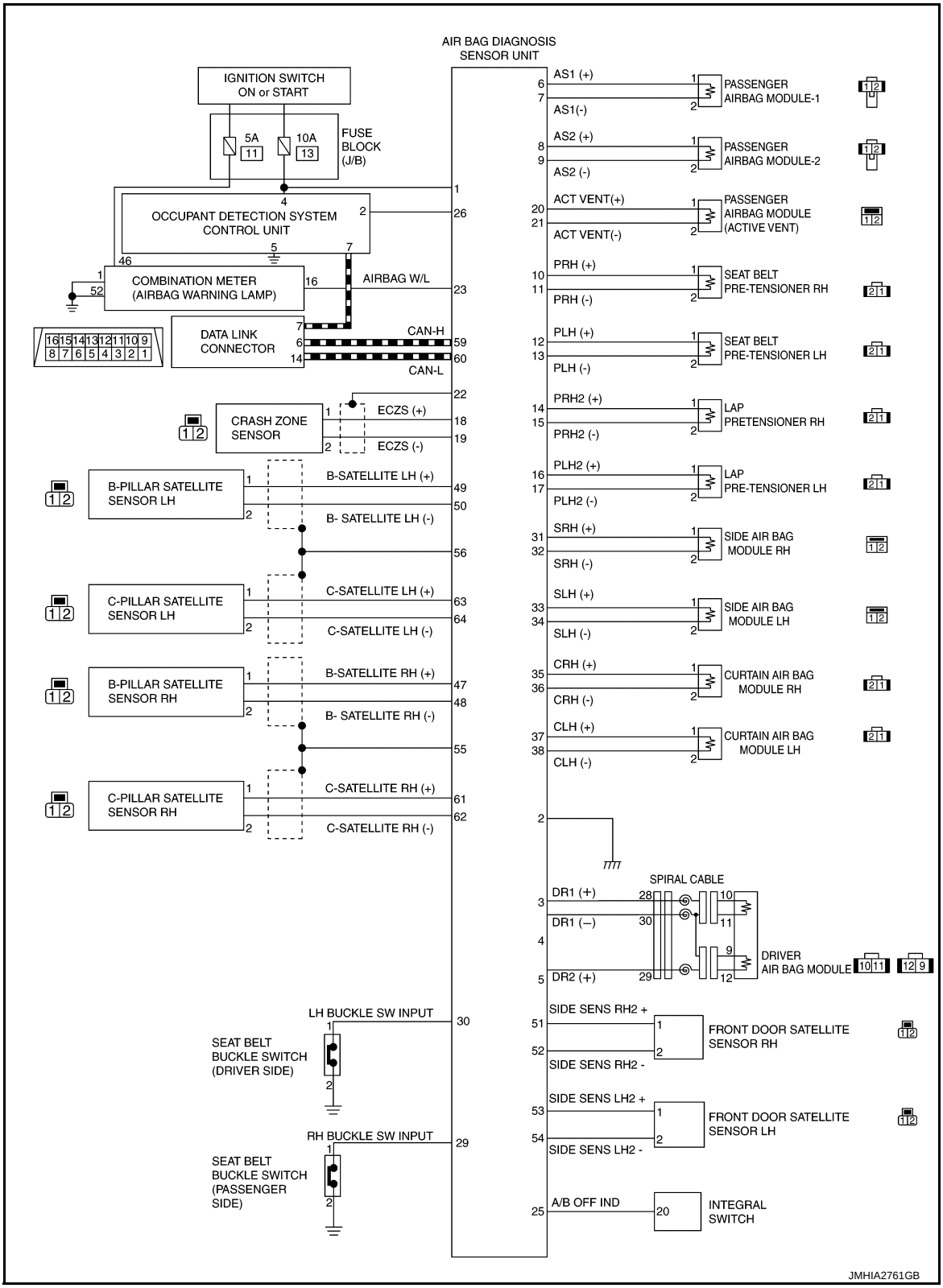

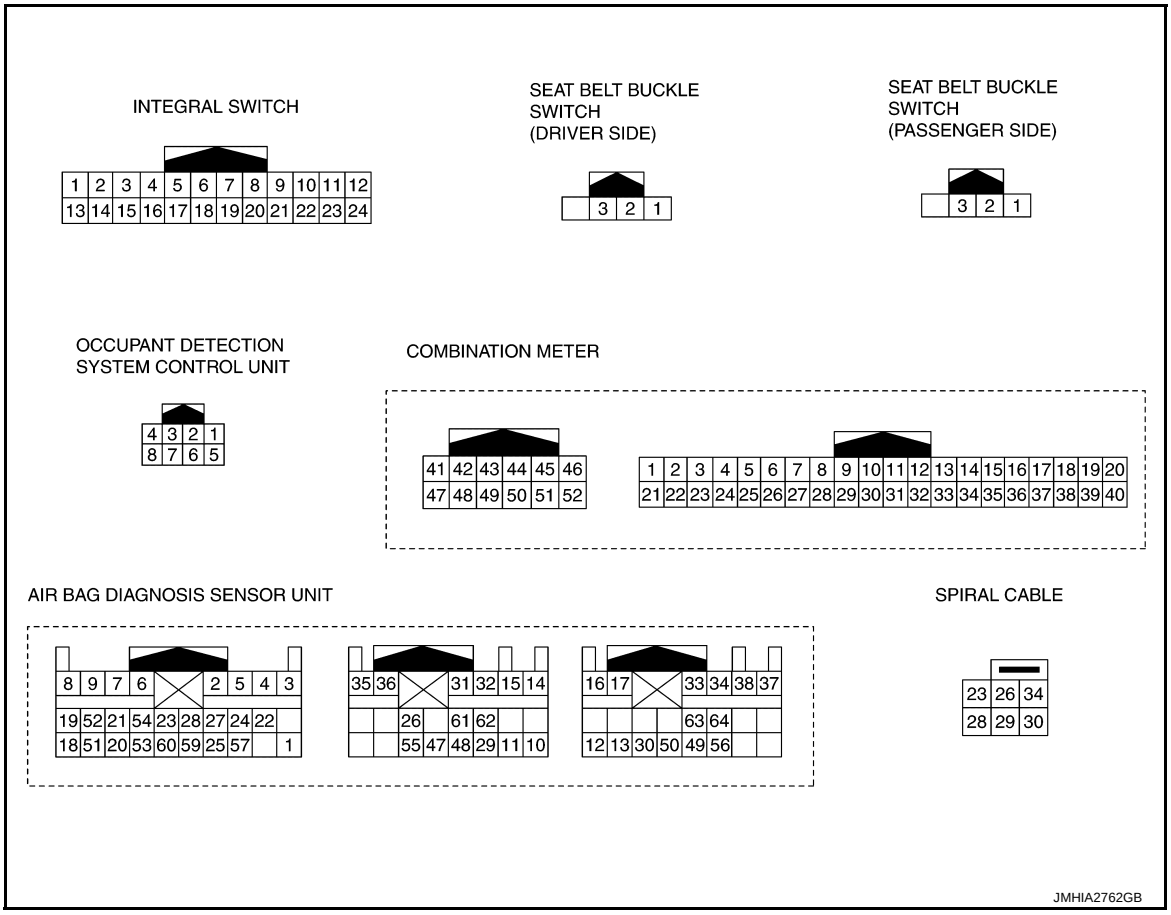

WARNING/INDICATOR/CHIME LIST

WARNING/INDICATOR/CHIME LIST : Warning Lamp/Indicator Lamp

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Item	Design	Reference
SRS air bag warning lamp		For layout, refer to MWI-8, "METER SYSTEM : Design". For function, refer to MWI-43, "WARNING LAMPS/INDICATOR LAMPS : SRS Air Bag Warning Lamp".

DIAGNOSIS SYSTEM (AIR BAG)

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.

On Board Diagnosis Function

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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 turns ON 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 illuminating, 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.

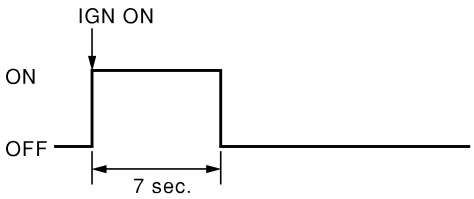
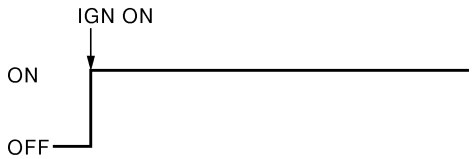
USER MODE

In USER MODE, air bag warning lamp on combination meter turning ON 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 turns ON.
2. Compare the air bag warning lamp operation pattern with the examples.

Air Bag Warning Lamp Examples

Air bag warning lamp operation (user mode)	SRS condition	Reference item
 SHIA0011E	• No malfunction is detected • No further action is necessary	Change to Diagnosis mode is not possible when the system is normal.
 SHIA0013E	The system is malfunctioning	Refer to SRC-21, "CONSULT Function" or “Diagnosis mode”
	• Air bag is deployed • Seat belt pre-tensioner is deployed	Refer to SRC-89, "Diagnosis Procedure" or SRC-90, "Diagnosis Procedure"
	• Air bag diagnosis sensor unit is malfunctioning • Air bag power supply circuit is malfunctioning • Air bag warning lamp circuit is malfunctioning • Combination meter is malfunctioning	Refer to SRC-106, "Diagnosis Procedure"
	Battery voltage is low (less than 9 V) or high battery voltage (more than 16 V)	Refer to “BATTERY LOW VOLTAGE DETECTION” or “BATTERY HIGH VOLTAGE DETECTION”
 SHIA0014E	• Air bag diagnosis sensor unit is malfunctioning • Air bag warning lamp circuit is malfunctioning	Refer to SRC-107, "Diagnosis Procedure"

Occurrence Of Intermittent Malfunction

Air bag warning lamp turns ON 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 sensor unit cannot operate normally (9 V or less) is detected. After starting to turn ON, air bag warning lamp turns OFF when air bag diagnosis sensor unit detects the normal value of battery voltage.

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. After starting to turn ON, air bag warning lamp turns OFF when air bag diagnosis sensor unit detects the normal value of battery voltage.

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.
   - 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: 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

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

Sensor system

Number of 0.5 seconds blinks	Malfunctioning items
1	Crash zone sensor
2	B-pillar satellite sensor LH
3	B-pillar satellite sensor RH
4	C-pillar satellite sensor LH
5	C-pillar satellite sensor RH
6	Front door satellite sensor LH or RH
7	Front door satellite sensor RH

Front air bag system

Number of 0.5 seconds 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
5	Lap pre-tensioner LH
6	Lap pre-tensioner RH
13	Active vent

Side air bag system

Number of 0.5-seconds 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

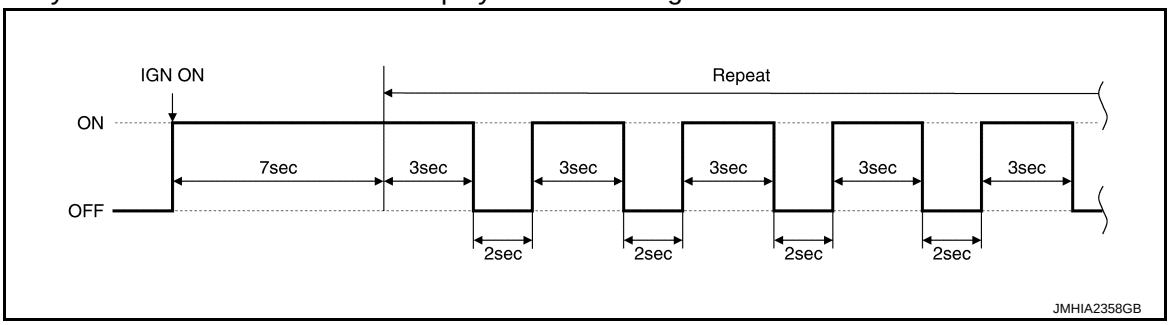
How to Erase Self-diagnostic Result

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

EXAMPLE OF AIR BAG WARNING LAMP OPERATION IN THE DIAGNOSIS MODE

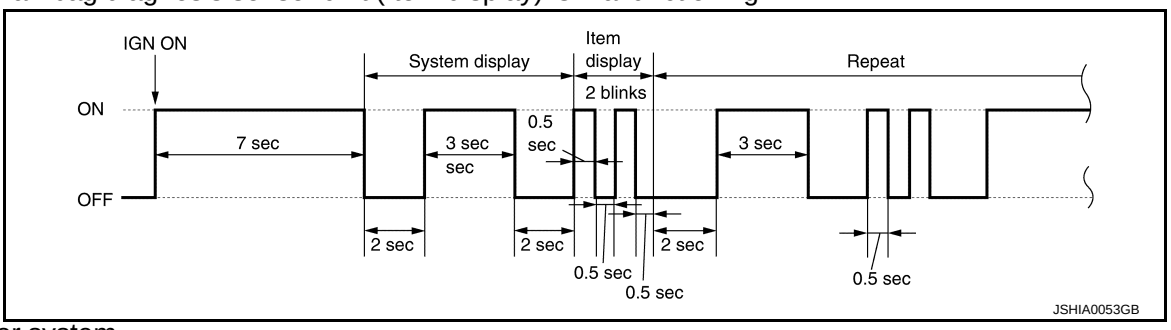
System Normal

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

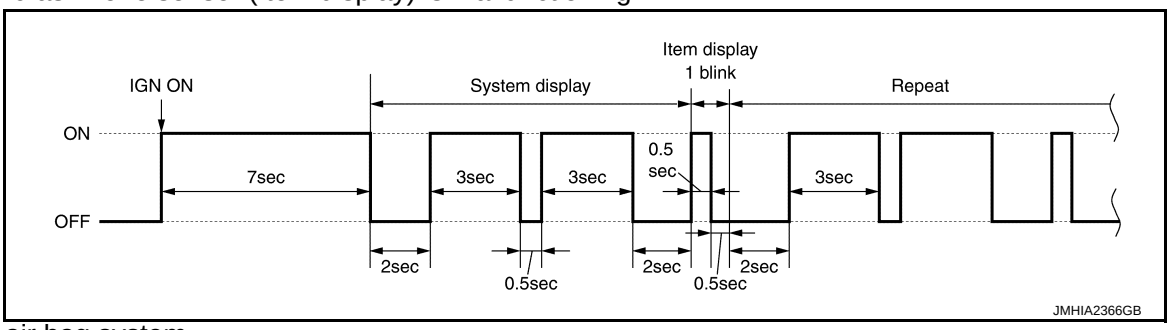


Single System Malfunction

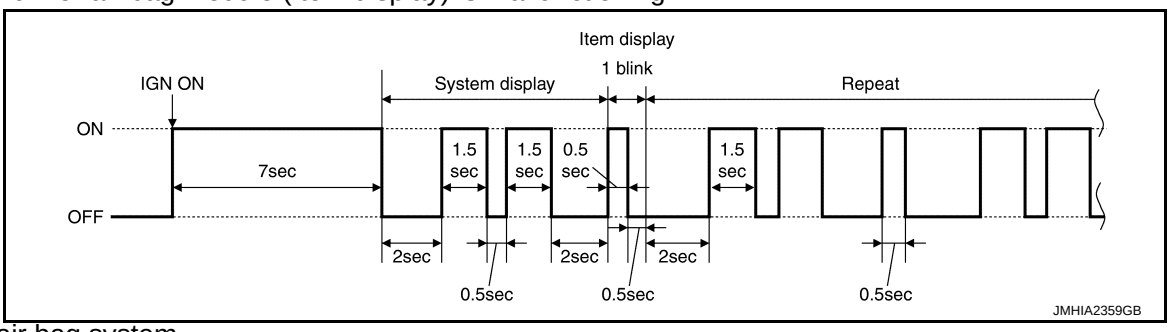
- Air bag control unit system
  When air bag diagnosis sensor unit (Item display) is malfunctioning.



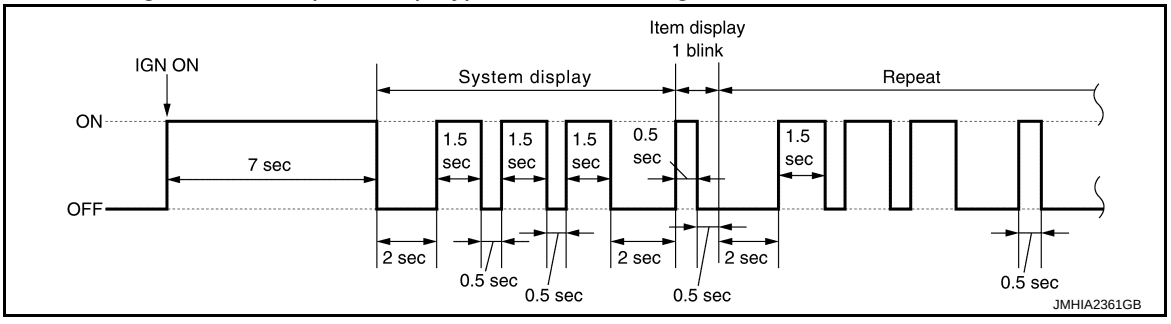
- Sensor system
  When crash zone sensor (Item display) is malfunctioning.



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

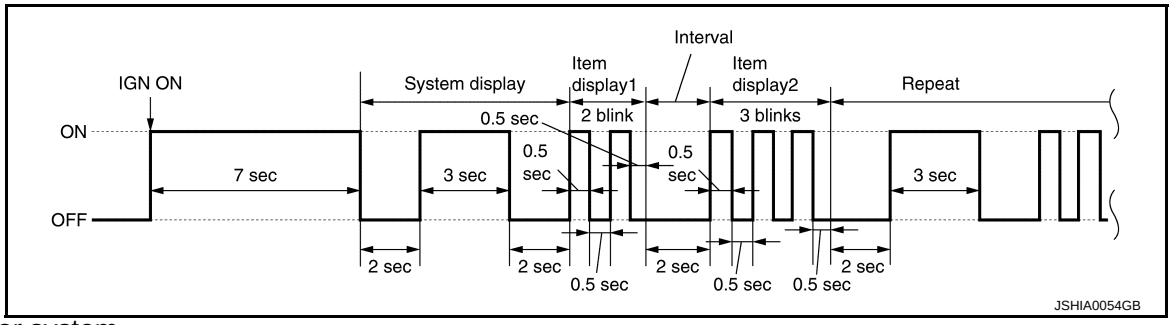


- Side air bag system
  When side air bag module LH (Item display) is malfunctioning.

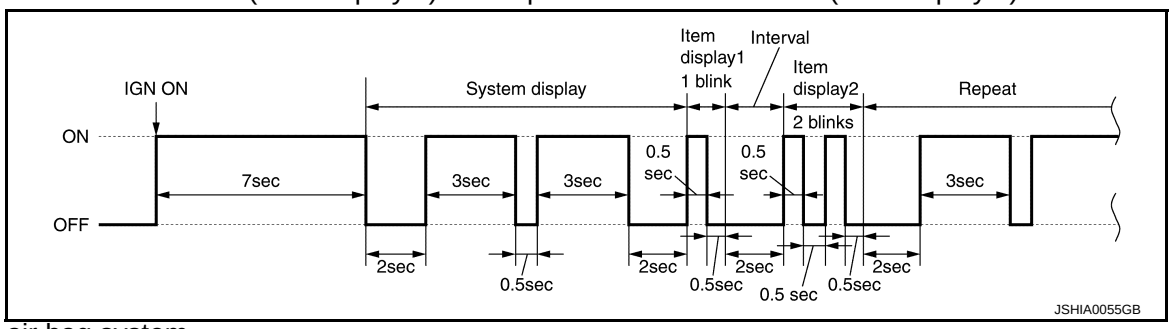


Multiple Systems Malfunction

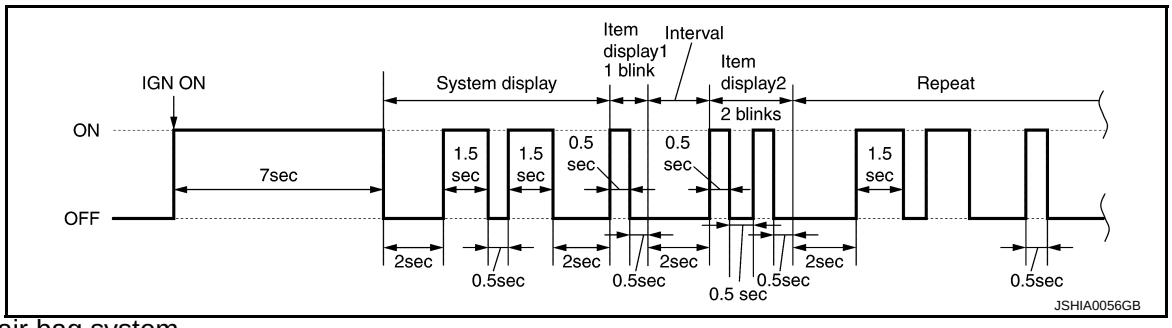
- Air bag control unit system
  When collision detection (Item display 1) and air bag diagnosis sensor unit (Item display 2) are malfunctioning.



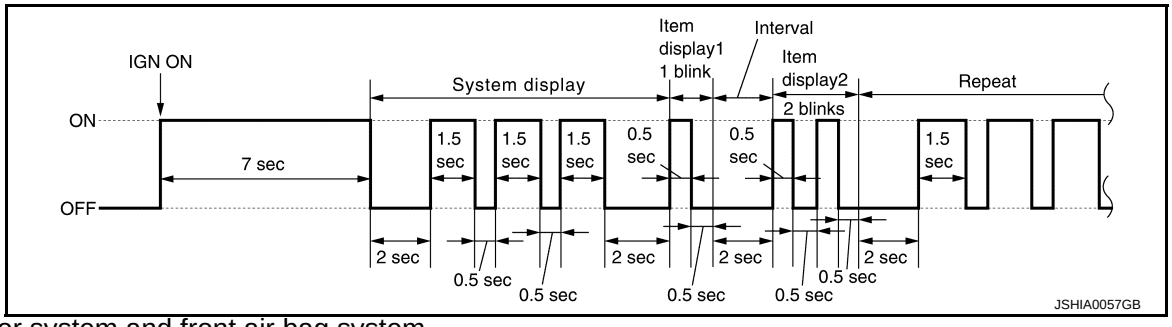
- Sensor system
  When crash zone sensor (Item display 1) and B-pillar satellite sensor LH (Item display 2) are malfunctioning.



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

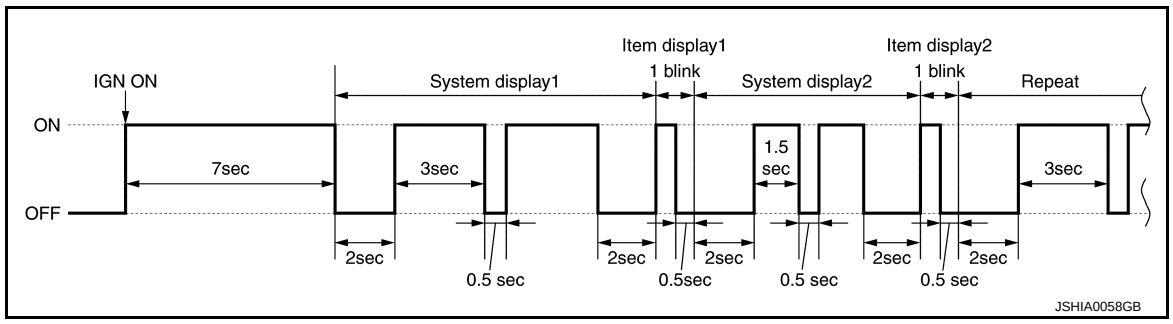


- Side air bag system
  When side air bag module LH (Item display 1) and side air bag module RH (Item display 2) are malfunctioning.



- Sensor system and front air bag system

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



CONSULT Function

INFOID:0000000011285777

APPLICATION ITEM

CONSULT performs the following functions.

Diagnosis mode	Description
Self Diagnostic Result	• 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 do not use.
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-23, "DTC Index".

DIAGNOSIS SYSTEM (OCCUPANT DETECTION SYSTEM)

CONSULT Function

INFOID:0000000011285778

ZERO POINT RESET DESCRIPTION

This vehicle adopts occupant detection system with a weight detecting method. When replacing, or removing and installing passenger seat, always perform “zero point rest” so that the vehicle recognizes zero point.
If zero point reset is incomplete, occupant detection seat sensor does not operate normally.

WORK SUPPORT

Monitor item	Description
Zero point reset function	Perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Special Repair Requirement".

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:0000000011285779

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
U1000–01	CAN COMM CIRCUIT	—	—	SRC-43, "DTC Description"
U1010–49	CONTROL UNIT (CAN)	—	—	SRC-44, "DTC Description"
B0001–00	DRIVER AIRBAG MODULE [SHORT]	Front air bag system	1	SRC-45, "DTC Description"
B0001–09	DRIVER AIRBAG MODULE [SHORT]			
B0001–11	DRIVER AIRBAG MODULE [GND-SHORT]			
B0001–12	DRIVER AIRBAG MODULE [VB-SHORT]			
B0001–13	DRIVER AIRBAG MODULE [OPEN]			
B0001–1A	DRIVER AIRBAG MODULE [SHORT]			
B0002–00	DRIVER AIRBAG MODULE 2 [SHORT]	Front air bag system	1	SRC-48, "DTC Description"
B0002–09	DRIVER AIRBAG MODULE 2 [SHORT]			
B0002–11	DRIVER AIRBAG MODULE 2 [GND-SHORT]			
B0002–12	DRIVER AIRBAG MODULE 2 [VB-SHORT]			
B0002–13	DRIVER AIRBAG MODULE 2 [OPEN]			
B0002–1A	DRIVER AIRBAG MODULE 2 [SHORT]			
B0010–09	ASSIST A/B MODULE [SHORT]	Front air bag system	2	SRC-51, "DTC Description"
B0010–11	ASSIST A/B MODULE [GND-SHORT]			
B0010–12	ASSIST A/B MODULE [VB-SHORT]			
B0010–13	ASSIST A/B MODULE [OPEN]			
B0010–1A	ASSIST A/B MODULE [SHORT]			
B0011–09	ASSIST A/B MODULE 2 [SHORT]	Front air bag system	2	SRC-53, "DTC Description"
B0011–11	ASSIST A/B MODULE 2 [GND-SHORT]			
B0011–12	ASSIST A/B MODULE 2 [VB-SHORT]			
B0011–13	ASSIST A/B MODULE 2 [OPEN]			
B0011–1A	ASSIST A/B MODULE 2 [SHORT]			
B0020–09	SIDE A/B MODULE LH [SHORT]	Side air bag system	1	SRC-55, "DTC Description"
B0020–11	SIDE A/B MODULE LH [GND-SHORT]			
B0020–12	SIDE A/B MODULE LH [VB-SHORT]			
B0020–13	SIDE A/B MODULE LH [OPEN]			
B0020–1A	SIDE A/B MODULE LH [SHORT]			
B0021–09	CURTAIN A/B MODULE LH [SHORT]	Side air bag system	3	SRC-57, "DTC Description"
B0021–11	CURTAIN A/B MODULE LH [GND-SHORT]			
B0021–12	CURTAIN A/B MODULE LH [VB-SHORT]			
B0021–13	CURTAIN A/B MODULE LH [OPEN]			
B0021–1A	CURTAIN A/B MODULE LH [SHORT]			

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B0028–09	SIDE A/B MODULE RH [SHORT]	Side air bag system	2	SRC-59, "DTC Description"
B0028–11	SIDE A/B MODULE RH [GND-SHORT]			
B0028–12	SIDE A/B MODULE RH [VB-SHORT]			
B0028–13	SIDE A/B MODULE RH [OPEN]			
B0028–1A	SIDE A/B MODULE RH [SHORT]			
B0029–09	CURTAIN A/B MODULE RH [SHORT]	Side air bag system	4	SRC-61, "DTC Description"
B0029–11	CURTAIN A/B MODULE RH [GND-SHORT]			
B0029–12	CURTAIN A/B MODULE RH [VB-SHORT]			
B0029–13	CURTAIN A/B MODULE RH [OPEN]			
B0029–1A	CURTAIN A/B MODULE RH [SHORT]			
B0091–11	B-PILLAR SAT SEN LH [GND-SHORT]	Sensor system	2	SRC-63, "DTC Description"
B0091–23	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]			
B0091–24	B-PILLAR SAT SEN LH [UPPER LIMIT ERR]			
B0091–25	B-PILLAR SAT SEN LH [SELF-DIAG ERR]			
B0091–28	B-PILLAR SAT SEN LH [OFFSET ERR]			
B0091–81	B-PILLAR SAT SEN LH [COMM ERR]			
B0091–86	B-PILLAR SAT SEN LH [UNMATCH]			
B0091–88	B-PILLAR SAT SEN LH [OPEN]			
B0091–93	B-PILLAR SAT SEN LH [RESET]			
B0092–11	C-PILLAR SAT SEN LH [GND-SHORT]	Sensor system	4	SRC-65, "DTC Description"
B0092–23	C-PILLAR SAT SEN LH [LOWER LIMIT ERR]			
B0092–24	C-PILLAR SAT SEN LH [UPPER LIMIT ERR]			
B0092–25	C-PILLAR SAT SEN LH [SELF-DIAG ERR]			
B0092–28	C-PILLAR SAT SEN LH [OFFSET ERR]			
B0092–81	C-PILLAR SAT SEN LH [COMM ERR]			
B0092–86	C-PILLAR SAT SEN LH [UNMATCH]			
B0092–88	C-PILLAR SAT SEN LH [OPEN]			
B0092–93	C-PILLAR SAT SEN LH [RESET]			
B0093–11	DOOR SATEL SENS LH [GND-SHORT]	Sensor system	6	SRC-67, "DTC Description"
B0093–23	DOOR SATEL SENS LH [LOWER LIMIT ERR]			
B0093–24	DOOR SATEL SENS LH [UPPER LIMIT ERR]			
B0093–25	DOOR SATEL SENS LH [SELF-DIAG ERR]			
B0093–28	DOOR SATEL SENS LH [OFFSET ERR]			
B0093–81	DOOR SATEL SENS LH [COMM ERR]			
B0093–86	DOOR SATEL SENS LH [UNMATCH]			
B0093–88	DOOR SATEL SENS LH [OPEN]			
B0093–93	DOOR SATEL SENS LH [RESET]			

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B0094–11	CRASH ZONE SENS [GND-SHORT]	Sensor system	1	SRC-69, "DTC Description"
B0094–23	CRASH ZONE SENS [LOWER LIMIT ERR]			
B0094–24	CRASH ZONE SENS [UPPER LIMIT ERR]			
B0094–25	CRASH ZONE SENS [SELF-DIAG ERR]			
B0094–28	CRASH ZONE SENS [OFFSET ERR]			
B0094–81	CRASH ZONE SENS [COMM ERR]			
B0094–86	CRASH ZONE SENS [UNMATCH]			
B0094–88	CRASH ZONE SENS [OPEN]			
B0094–93	CRASH ZONE SENS [RESET]			
B0096–11	B-PILLAR SAT SEN RH [GND-SHORT]	Sensor system	3	SRC-71, "DTC Description"
B0096–23	B-PILLAR SAT SEN RH [LOWER LIMIT ERR]			
B0096–24	B-PILLAR SAT SEN RH [UPPER LIMIT ERR]			
B0096–25	B-PILLAR SAT SEN RH [SELF-DIAG ERR]			
B0096–28	B-PILLAR SAT SEN RH [OFFSET ERR]			
B0096–81	B-PILLAR SAT SEN RH [COMM ERR]			
B0096–86	B-PILLAR SAT SEN RH [UNMATCH]			
B0096–88	B-PILLAR SAT SEN RH [OPEN]			
B0096–93	B-PILLAR SAT SEN RH [RESET]			
B0097–11	C-PILLAR SAT SEN RH [GND-SHORT]	Sensor system	5	SRC-73, "DTC Description"
B0097–23	C-PILLAR SAT SEN RH [LOWER LIMIT ERR]			
B0097–24	C-PILLAR SAT SEN RH [UPPER LIMIT ERR]			
B0097–25	C-PILLAR SAT SEN RH [SELF-DIAG ERR]			
B0097–28	C-PILLAR SAT SEN RH [OFFSET ERR]			
B0097–81	C-PILLAR SAT SEN RH [COMM ERR]			
B0097–86	C-PILLAR SAT SEN RH [UNMATCH]			
B0097–88	C-PILLAR SAT SEN RH [OPEN]			
B0097–93	C-PILLAR SAT SEN RH [RESET]			
B0098–11	DOOR SATEL SENS RH [GND-SHORT]	Sensor system	7	SRC-75, "DTC Description"
B0098–23	DOOR SATEL SENS RH [LOWER LIMIT ERR]			
B0098–24	DOOR SATEL SENS RH [UPPER LIMIT ERR]			
B0098–25	DOOR SATEL SENS RH [SELF-DIAG ERR]			
B0098–28	DOOR SATEL SENS RH [OFFSET ERR]			
B0098–81	DOOR SATEL SENS RH [COMM ERR]			
B0098–86	DOOR SATEL SENS RH [UNMATCH]			
B0098–88	DOOR SATEL SENS RH [OPEN]			
B0098–93	DOOR SATEL SENS RH [RESET]			

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B00A0–00	OCCUPANT SENS [ABNOMAL VOLTAGE]	Air bag control unit system	4	SRC-77, "DTC Description"
B00A0–02	OCCUPANT SENS [UNIT MALFUNC]			
B00A0–09	OCCUPANT SENS [UNIT MALFUNC]			
B00A0–04	OCCUPANT SENS C/U [UNIT MALFUNC]			
B00A0–83	OCCUPANT SENS C/U [COMM ERR]			
B00A0–86	OCCUPANT SENS C/U [COMM ERR]			
B00A0–87	OCCUPANT SENS C/U [COMM ERR]			
B00A0–88	OCCUPANT SENS C/U [COMM ERR]			
B00A0–8F	OCCUPANT SENS C/U [UNDEFINED]			
B00A0–93	OCCUPANT SENS C/U [RESET]			
B00D5–04	PASS A/B INDCTR CKT [UNIT MALFUNC]	Air bag control unit system	3	SRC-79, "DTC Description"
B00D5–11	PASS A/B INDCTR CKT [GND-SHORT]			
B00D5–12	PASS A/B INDCTR CKT [VB-SHORT]			
B00D5–13	PASS A/B INDCTR CKT [OPEN]			
B00D5–15	PASS A/B INDCTR CKT [PWR-SHORT/OPEN]			
B1400–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-81, "DTC Description"
B1401–00	CONTROL UNIT [UNIT MALFUNC]			
B1402–00	CONTROL UNIT [UNIT MALFUNC]			
B1403–00	CONTROL UNIT [UNIT MALFUNC]			
B1404–00	CONTROL UNIT [UNIT MALFUNC]			
B1405–00	CONTROL UNIT [UNIT MALFUNC]			
B1406–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-83, "DTC Description"
B1407–00	CONTROL UNIT [UNIT MALFUNC]			
B1408–00	CONTROL UNIT [UNIT MALFUNC]			
B1409–00	CONTROL UNIT [UNIT MALFUNC]			
B1410–00	CONTROL UNIT [UNIT MALFUNC]			
B1411–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-85, "DTC Description"
B1412–00	CONTROL UNIT [UNIT MALFUNC]			
B1413–00	CONTROL UNIT [UNIT MALFUNC]			
B1414–00	CONTROL UNIT [UNIT MALFUNC]			
B1415–00	CONTROL UNIT [UNIT MALFUNC]			
B1416–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-87, "DTC Description"
B1417–00	CONTROL UNIT [UNIT MALFUNC]			
B1418–00	CONTROL UNIT [UNIT MALFUNC]			
B1419–00	CONTROL UNIT [UNIT MALFUNC]			
B1420–00	CONTROL UNIT [UNIT MALFUNC]			
B1421–00	FRONTAL COLLISION	Air bag control unit system	1	SRC-89, "DTC Description"
B1422–00	SIDE COLLISION	Air bag control unit system	1	SRC-90, "DTC Description"
B1425–00	REAR COLLISION	Air bag control unit system	1	SRC-91, "DTC Description"
B142A–16	IGNITION VOLTAGE [VB-LOW]	—	—	SRC-92, "DTC Description"
B142A–17	IGNITION VOLTAGE [VB-HIGH]	—	—	

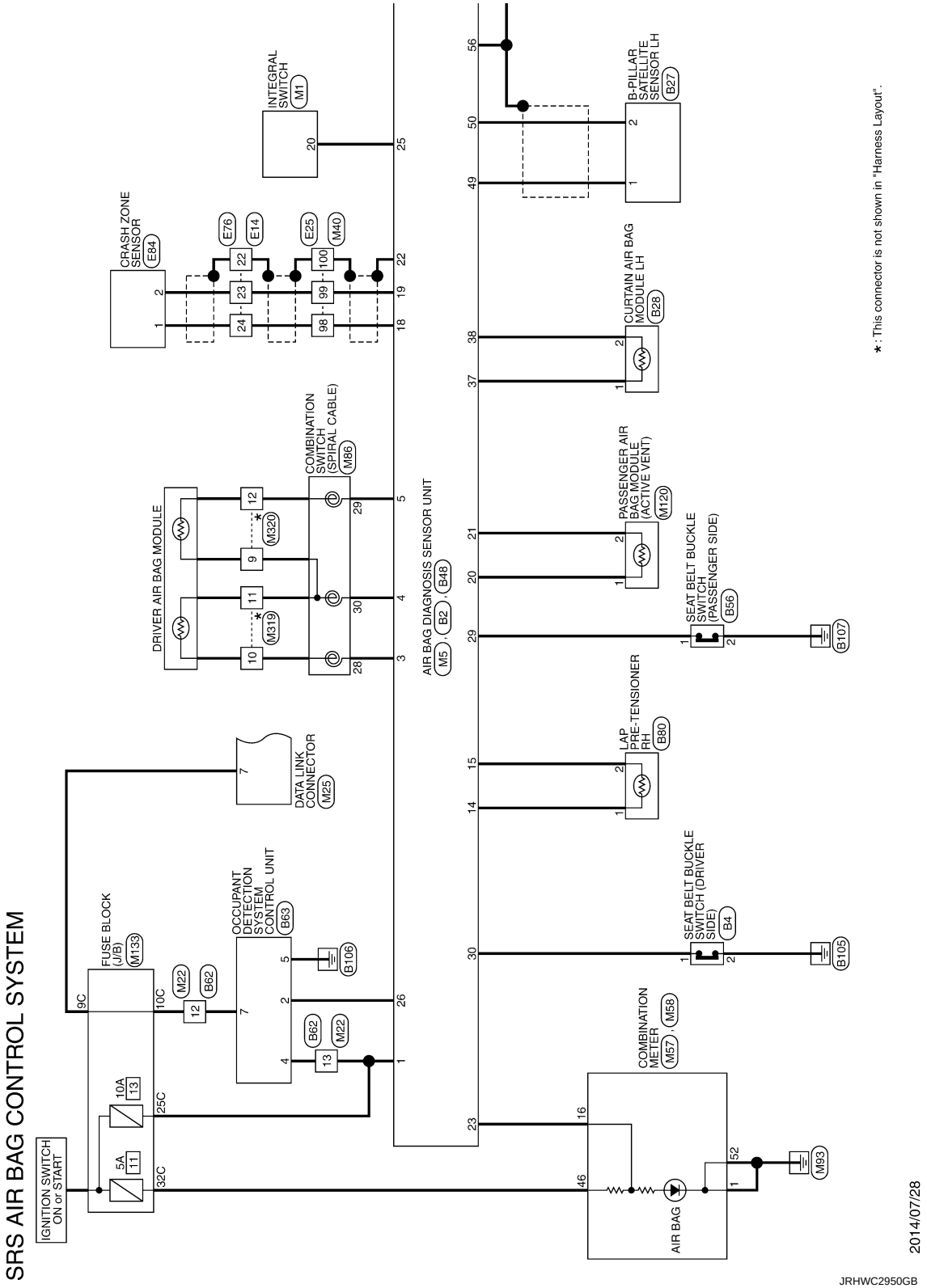
DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B1430–09	PRE-TEN FRONT LH [SHORT]	Front air bag system	3	SRC-94, "DTC Description"
B1430–11	PRE-TEN FRONT LH [GND-SHORT]			
B1430–12	PRE-TEN FRONT LH [VB-SHORT]			
B1430–13	PRE-TEN FRONT LH [OPEN]			
B1430–1A	PRE-TEN FRONT LH [SHORT]			
B1431–09	PRE-TEN FRONT RH [SHORT]	Front air bag system	4	SRC-96, "DTC Description"
B1431–11	PRE-TEN FRONT RH [GND-SHORT]			
B1431–12	PRE-TEN FRONT RH [VB-SHORT]			
B1431–13	PRE-TEN FRONT RH [OPEN]			
B1431–1A	PRE-TEN FRONT RH [SHORT]			
B1432–09	PRE-TEN FRONT LH 2 [SHORT]	Front air bag system	5	SRC-98, "DTC Description"
B1432–11	PRE-TEN FRONT LH 2 [GND-SHORT]			
B1432–12	PRE-TEN FRONT LH 2 [VB-SHORT]			
B1432–13	PRE-TEN FRONT LH 2 [OPEN]			
B1432–1A	PRE-TEN FRONT LH 2 [SHORT]			
B1433–09	PRE-TEN FRONT RH 2 [SHORT]	Front air bag system	6	SRC-100, "DTC Description"
B1433–11	PRE-TEN FRONT RH 2 [GND-SHORT]			
B1433–12	PRE-TEN FRONT RH 2 [VB-SHORT]			
B1433–13	PRE-TEN FRONT RH 2 [OPEN]			
B1433–1A	PRE-TEN FRONT RH 2 [SHORT]			
B1436–09	ACTIVE VENT CIRCUIT [SHORT]	Front air bag system	13	SRC-102, "DTC Description"
B1436–11	ACTIVE VENT CIRCUIT [GND-SHORT]			
B1436–12	ACTIVE VENT CIRCUIT [VB-SHORT]			
B1436–13	ACTIVE VENT CIRCUIT [OPEN]			
B1436–1A	ACTIVE VENT CIRCUIT [SHORT]			
B1500–23	DOOR SATELLITE SENSOR [LOWER LIMIT ERR]	Sensor system	6	SRC-104, "DTC Description"
B1500–24	DOOR SATELLITE SENSOR [UPPER LIMIT ERR]			
B1500–92	DOOR SATELLITE SENSOR [PERFRM ERR/INCRCT OPE]			

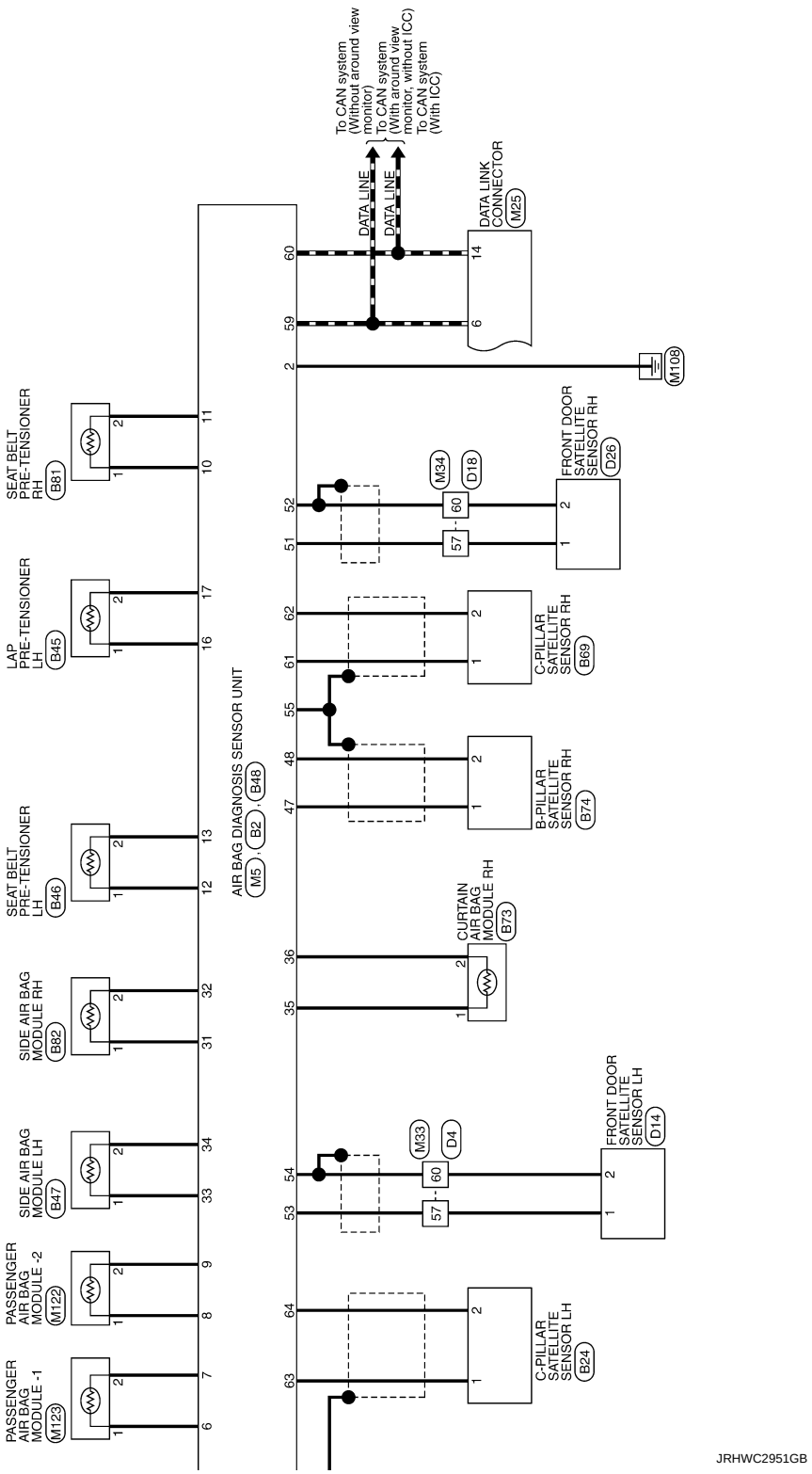
WIRING DIAGRAM

SRS AIR BAG SYSTEM

Wiring Diagram

INFOID:0000000011285780




To CAN system (Without around view monitor)
To CAN system (With around view monitor, without ICC)
To CAN system (With ICC)
DATA LINE
DATA LINE
DATA LINK CONNECTOR M25
M108
FRONT DOOR SATELLITE SENSOR RH D26
M34
D18
C-PILLAR SATELLITE SENSOR RH B69
B-PILLAR SATELLITE SENSOR RH B74
CURTAIN AIR BAG MODULE RH B73
FRONT DOOR SATELLITE SENSOR LH D14
M33
D4
C-PILLAR SATELLITE SENSOR LH B24
AIR BAG DIAGNOSIS SENSOR UNIT M5, B2, B48
SEAT BELT PRE-TENSIONER RH B81
LAP PRE-TENSIONER LH B45
SEAT BELT PRE-TENSIONER LH B46
SIDE AIR BAG MODULE RH B82
SIDE AIR BAG MODULE LH B47
PASSENGER AIR BAG MODULE -2 M122
PASSENGER AIR BAG MODULE -1 M123
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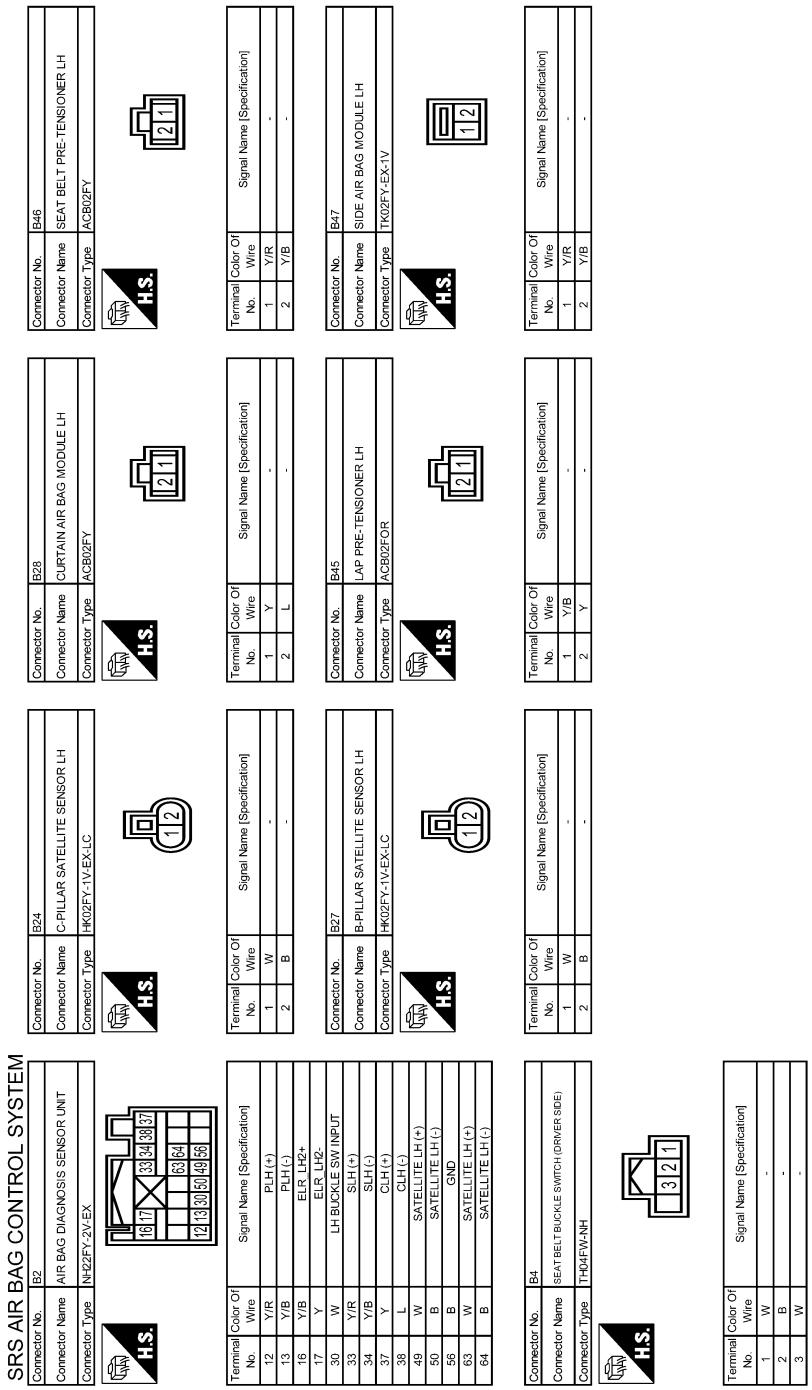


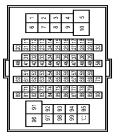
JRHWC2952GB

SRS AIR BAG CONTROL SYSTEM

Connector No.	B48
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH22FY-1V-EX

Terminal No.	Color Of Wire	Signal Name [Specification]
10	Y/R	PRH (+)
11	Y/B	PRH (-)
14	Y/G	ELR_RH2+
15	Y	ELR_RH2-
26	V	ODS INPUT
29	LG	RH BUCKLE SW INPUT
31	Y/R	SRH (+)
32	Y/B	SRH (-)
35	Y	CRH (+)
36	L	CRH (-)
47	R	SIDE SENS RH+
48	L	SIDE SENS RH-
55	B	GND
61	G	SATELLITE RH (+)
62	R	SATELLITE RH (-)

Connector No.	B62
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	L	-
3	R	- [With BOSE system]
3	W	- [Without BOSE system]
4	SHIELD	-
5	G	-
6	W	-
7	BR	- [Without BOSE system]
7	W	- [With BOSE system]
8	B	- [With BOSE system]
8	Y	- [Without BOSE system]
9	SHIELD	-
10	V	-
11	GR	-
12	Y	-
13	R	-
14	BG	-
15	GR	-
16	V	-
17	P	-
18	L	-
19	R	-
20	GR	-
21	R	-
22	P	-
23	W	-
24	V	-
25	SB	-
26	G	-
28	LG	-
29	P	-
30	LG	-
36	R	-
37	R	-
38	W	-
39	W	-
45	G	-
46	SHIELD	-
47	G	-
48	BG	-
49	G	-
52	Y	-
53	R	-
54	GR	-
57	R	-
58	P	-
59	LG	-
62	P	-
63	L	-
64	W	-
66	LG	-
68	L	-
69	P	-
71	R	-
72	G	-
73	SHIELD	-
76	GR	-
84	BR	-
85	BG	-
86	W	-
87	LG	-
89	LG	-
90	V	-
92	W	-
93	R	-
94	R	-
95	Y	-
96	W	-
97	L	-
99	BR	-
100	BR	-

Connector No.	B56
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	TH04FW-NH

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

Connector No.	B63
Connector Name	OCCUPANT DETECTION SYSTEM CONTROL UNIT
Connector Type	TH08FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
2	V	COMMUNICATION
4	R	IGN
5	B	GND
7	Y	K-LINE

Connector No.	B69
Connector Name	C-PILLAR SATELLITE SENSOR RH
Connector Type	HK02FY-1V-EX-LC

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

JRHWC2953GB

SRS AIR BAG CONTROL SYSTEM

Connector No.	B73
Connector Name	CURTAIN AIR BAG MODULE RH
Connector Type	ACB02FY

H.S.

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

Connector No.	B74
Connector Name	B-PILLAR SATELLITE SENSOR RH
Connector Type	HK02FY-1V-EX-LC

H.S.

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

Connector No.	B80
Connector Name	LAP PRE-TENSIONER RH
Connector Type	ACB02FOR

H.S.

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

Connector No.	B81
Connector Name	SEAT BELT PRE-TENSIONER RH
Connector Type	ACB02FY

H.S.

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

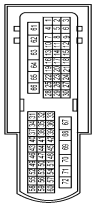
Connector No.	B82
Connector Name	SIDE AIR BAG MODULE RH
Connector Type	TK02FY-EX-1V

H.S.

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

Connector No.	D4
Connector Name	WIRE TO WIRE
Connector Type	NH60FW-TS12

H.S.



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

JRHWC2954GB

SRS AIR BAG CONTROL SYSTEM

Connector No.	D14
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Type	HK02FY-1V-EX-LC

H.S.

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

Connector No.	D18
Connector Name	WIRE TO WIRE
Connector Type	NH80FW-TS12

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	P	-
5	BR	-
6	Y	-
8	W	-
9	L	-
10	L	-
11	GR	-
13	Y	-
14	R	-
16	R	-
17	B	-
18	W	-
19	B	-
20	G	-
21	SHIELD	-
22	GR	-
23	BG	-
24	B	-
25	BR	-
26	V	-
27	G	-
28	V	-
29	Y	-
30	R	-
49	LG	-
52	P	-
55	L	-
56	Y	-
57	R	-
58	SB	-
59	R	-
60	G	-
63	B	-
64	Y	-
65	BR	-
66	GR	-
69	W	-
70	L	-
71	BG	-
72	Y	-

Connector No.	D26
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Type	HK02FY-1V-EX-LC

H.S.

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

Connector No.	E14
Connector Name	WIRE TO WIRE
Connector Type	SAA18MB-RS10-SJZ2

H.S.

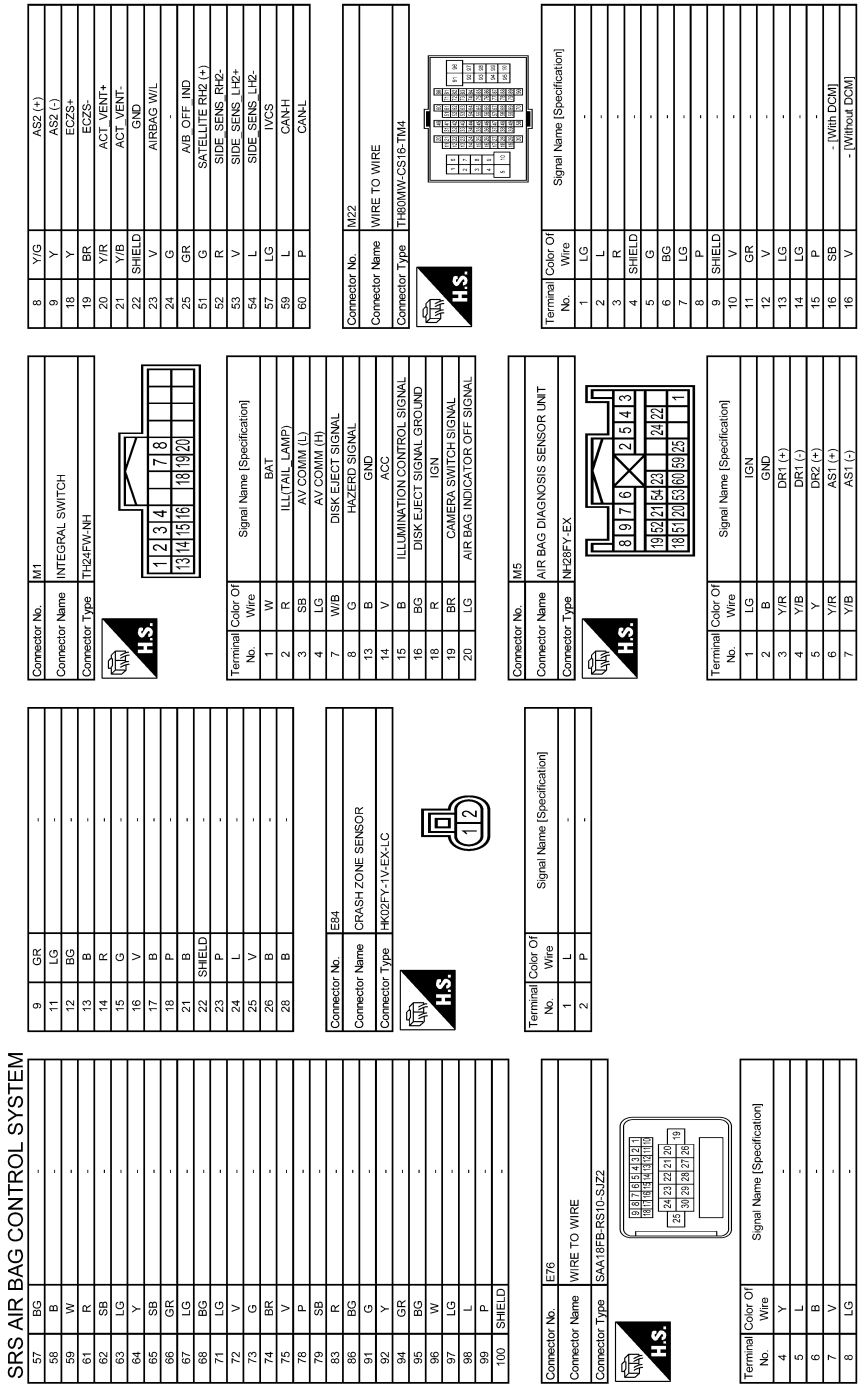
Terminal No.	Color Of Wire	Signal Name [Specification]
4	Y	-
5	L	-
6	B	-
7	BR	-
8	LG	-
9	W	-
11	V	-
12	R	-
13	B	-
14	P	-
15	GR	-
16	V	-
17	B	-
18	P	-
21	B	-
22	SHIELD	-
23	P	-
24	L	-
25	V	-
26	B	-
28	B	-

Connector No.	E25
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

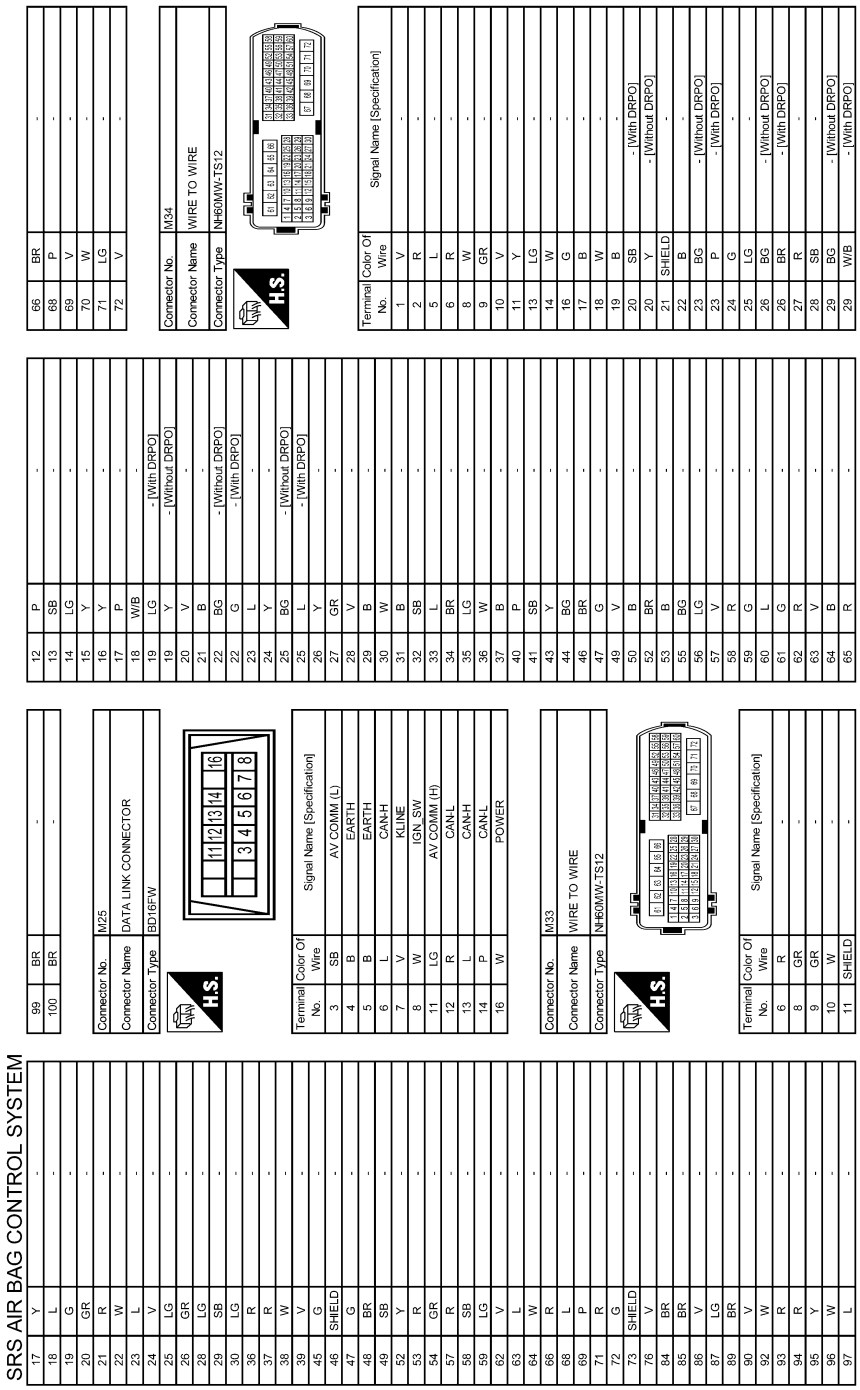
H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
2	W	-
3	LG	-
4	BR	-
6	V	-
7	L	-
10	BR	-
11	L	-
12	GR	-
13	W	-
14	B	-
15	SB	-
16	Y	-
17	BR	-
18	P	-
31	Y	-
32	GR	-
35	GR	-
36	R	-
37	V	-
38	L	-
39	Y	-
40	SB	-
41	LG	-
44	Y	-
45	W	-
46	B	-
47	G	-
48	SHIELD	-
49	R	-
50	BR	-
51	L	-
52	W	-
53	V	-
54	P	-
55	W	-
56	SB	-

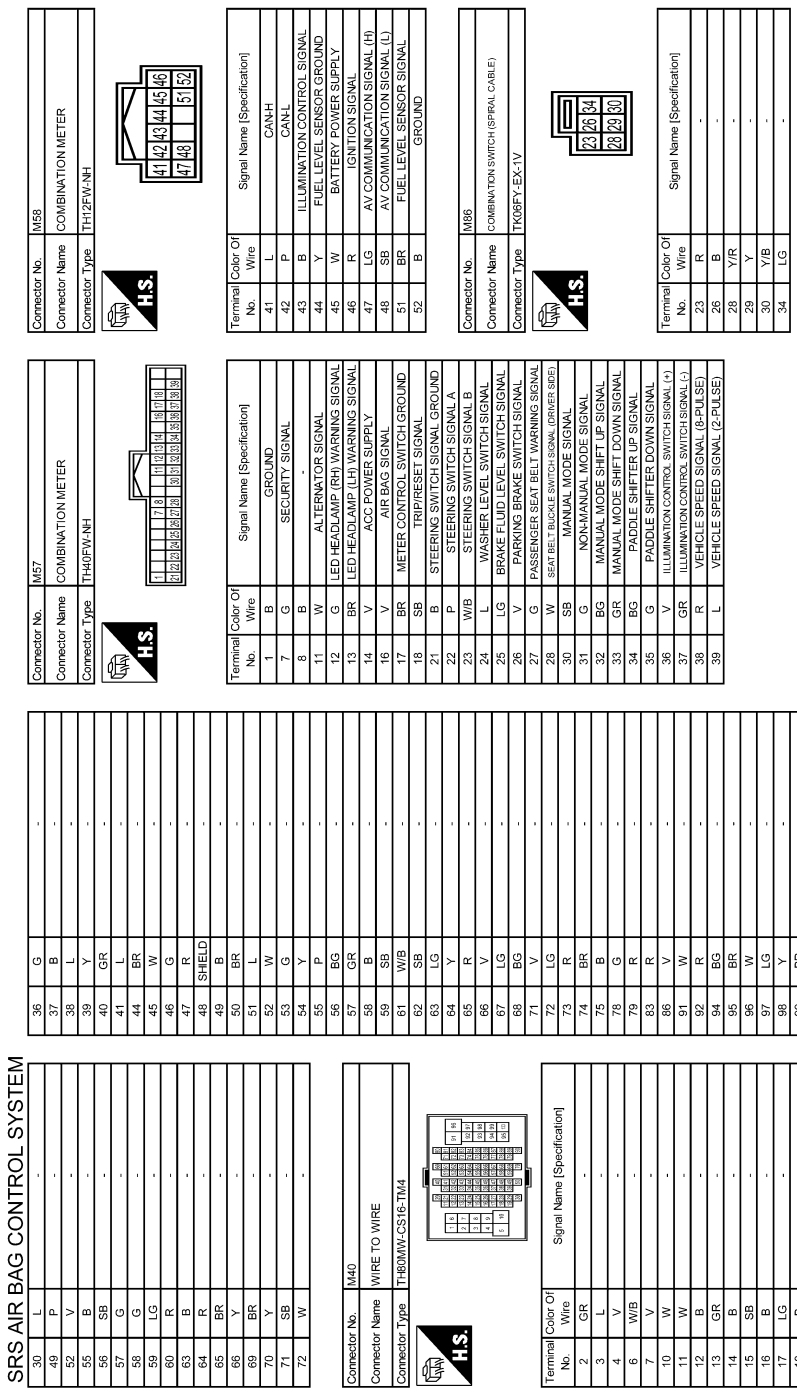
JRHWC2955GB



JRHWC2956GB



JRHWC2957GB



JRHWC2958GB

SRS AIR BAG CONTROL SYSTEM

Connector No.	M120
Connector Name	PASSENGER AIR BAG MODULE (ACTIVE VENT)
Connector Type	TK02FY-EX-1V

H.S.

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

Connector No.	M122
Connector Name	PASSENGER AIR BAG MODULE-2
Connector Type	JCA02FOR

H.S.

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

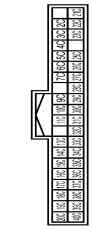
Connector No.	M123
Connector Name	PASSENGER AIR BAG MODULE-1
Connector Type	JCA02FB

H.S.

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

Connector No.	M133
Connector Name	FUSE BLOCK (J/B)
Connector Type	TH40FW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	V	-
11C	V	-
13C	L	-
14C	Y	-
15C	R	-
16C	R	-
17C	L	-
18C	BG	- [Without DRPO]
18C	P	- [With DRPO]
19C	B	-
20C	W	-
21C	L	-
22C	L	-
23C	L	-
25C	LG	-
26C	SB	-
27C	P	-
28C	W	-

29C	W	-
2C	R	-
30C	R	-
31C	W	-
32C	R	-
33C	B	-
34C	W/B	-
35C	SB	-
36C	R	-
37C	W	-
38C	SB	-
39C	V	-
3C	P	-
40C	G	-
4C	P	-
5C	P	-
6C	G	-
7C	G	-
9C	V	-

Connector No.	M319
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	ACA02FY-2V

H.S.

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

Connector No.	M320
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	ACA02FOR

H.S.

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

JRHWC2959GB

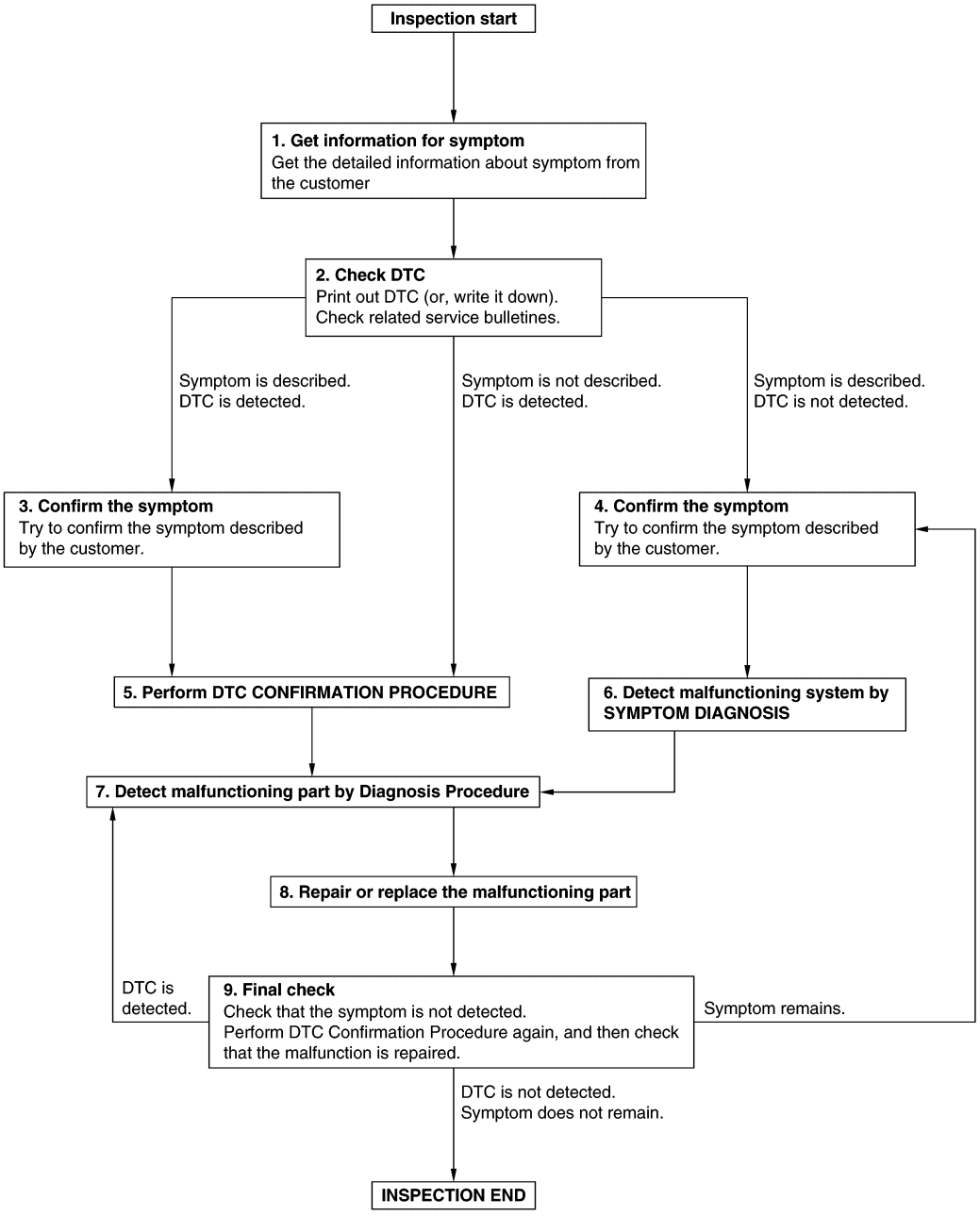
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000011285781

OVERALL SEQUENCE



JMHIA2620GB

DETAILED FLOW

1.GET INFORMATION FOR SYMPTOM

1. Get detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurs).
2. Check operation condition of the function that is malfunctioning.

>> GO TO 2.

2.CHECK DTC

1. Check DTC.
2. Perform the following procedure if DTC is detected.

- Record DTC (Print them out using CONSULT).
- Erase DTC.
- Study the relationship between the cause detected by DTC and the symptom described by the customer.

3. Check related service bulletins for information.

Are any symptoms described and any DTC detected?

Symptom is described, DTC is detected>>GO TO 3.
Symptom is described, DTC is not detected>>GO TO 4.
Symptom is not described, DTC is detected>>GO TO 5.

3.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.
Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 5.

4.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.
Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 6.

5.PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the detected DTC, and then check that DTC is detected again.

Is DTC detected?

YES >> GO TO 7.
NO >> Check according to GI-42, "Intermittent Incident".

6.DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

Detect malfunctioning system according to SYMPTOM DIAGNOSIS based on the confirmed symptom in step 4, and determine the trouble diagnosis order based on possible causes and symptom.

>> GO TO 7.

7.DETECT MALFUNCTIONING PART BY DIAGNOSIS PROCEDURE

Inspect according to Diagnosis Procedure of the system.

Is malfunctioning part detected?

YES >> GO TO 8.
NO >> Check according to GI-42, "Intermittent Incident".

8.REPAIR OR REPLACE THE MALFUNCTIONING PART

1. Repair or replace the malfunctioning part.
2. Reconnect parts or connectors disconnected during Diagnosis Procedure again after repair and replacement.
3. Check DTC. If DTC is detected, erase it.

>> GO TO 9.

9.FINAL CHECK

When DTC is detected in step 2, perform DTC CONFIRMATION PROCEDURE again, and then check that the malfunction is repaired securely.
When symptom is described by the customer, refer to confirmed symptom in step 3 or 4, and check that the symptom is not detected.

Is DTC detected and does symptom remain?

YES-1 >> DTC is detected: GO TO 7.
YES-2 >> Symptom remains: GO TO 4.
NO >> Before returning the vehicle to the customer, always erase DTC.

INSPECTION AND ADJUSTMENT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Description

INFOID:0000000011285782

When replacing or removing and installing passenger seat, always perform zero point reset so that Occupant Detection System is activated normally.

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Special Repair Requirement

INFOID:0000000011285783

WORK PROCEDURE WHEN REPLACING CONTROL UNIT

1.PERFORM ZERO POINT RESET

Perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Special Repair Requirement".

>> END

ZERO POINT RESET

ZERO POINT RESET : Description

INFOID:0000000011285784

Zero point reset is an initializing procedure for occupant detection sensor that must be performed when replacing or removing and installing passenger seat.
If zero point reset is not performed, the initialization is incomplete and Occupant Detection System does not operate normally.

NOTE:

- When replacing passenger seat with a NISSAN genuine part, air bag warning lamp blinks if zero point reset is incomplete.
- When zero point reset is performed once after removal and installation of passenger seat, CONSULT displays “complete” and air bag warning does not blink.
- When reinstalling passenger seat after removal, the initial value for occupant detection sensor changes, and Occupant Detection System does not operate normally.
- Always perform zero point reset after performing the work as per the following.

- Reinstallation of passenger seat
- Replacement of passenger seat with a seat that is zero point reset complete.

ZERO POINT RESET : Special Repair Requirement

INFOID:0000000011285785

1.PERFORM ZERO POINT RESET

1. Perform zero point reset.
   NOTE:
   When performing zero point reset, be careful of the items described as per the following.
   - Perform zero point reset after installing passenger seat to the vehicle
   - Do not put any objects on passenger seat
   - Do not apply excessive vibration to the vehicle
   - Do not touch the vehicle
   - Do not tilt the vehicle
2. Select start on “Zero point reset function” screen from, WORK SUPPORT of CONSULT “OCCUPANT DETECTION”.
3. “Zero point reset” starts.

>> GO TO 2.

2.CONFIRMATION OF SETTING

1. Proceed to “Zero point reset function” screen from work support of CONSULT “OCCUPANT DETECTION”.
2. Check that “Complete” or “Incomplete” is displayed on “Zero point reset status”.

CAUTION:

- **“Complete” is displayed on “zero point reset current status” if the seat is reinstalled by seat removal and installation, or “zero point reset” is already performed.**
- **“Zero point reset current status” displays “Incomplete” if a new seat is installed. When turning key switch ON without performing zero point reset, air bag warning lamp blinks. When zero point reset is performed, air bag warning lamp turns OFF.**
- **Air bag warning lamp blinks in user mode only.**
- **Air bag sensor unit does not record whether or not zero point reset is performed.**

Is condition “ALREADY PERFORMED”?

YES >> Print out “ZERO POINT RESET CURRENT STATUS” screen, and inspection end.

NO >> Check condition as per the following, and perform zero point reset again.

- Passenger seat is occupied by an object.
- Excessive vibration is applied while performing zero point reset.
- Occupant detection system is malfunctioning.

NOTE:

If “Incomplete” is displayed on “zero point reset current status”, zero point reset is not completed normally. Check the condition as per the following and perform zero point reset again.

- Passenger seat is occupied by an object.
- Excessive vibration is applied while performing zero point reset.
- Occupant detection system is malfunctioning.

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

DTC Description

INFOID:0000000011285786

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-40, "CAN COMMUNICATION SYSTEM : CAN System Specification Chart".

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

—

Diagnosis Procedure

INFOID:0000000011285787

1.PERFORM SELF DIAGNOSTIC

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

Is DTC “U1000–01” displayed?

YES >> Refer to LAN-24, "Trouble Diagnosis Flow Chart".
NO >> Refer to GI-42, "Intermittent Incident".

U1010 CONTROL UNIT (CAN)

DTC Description

INFOID:0000000011285788

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

Air bag diagnosis sensor unit

FAIL-SAFE

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Diagnosis Procedure

INFOID:0000000011285789

1.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

When DTC “U1010–49” is detected, replace Air bag diagnosis sensor unit.

>> Replace Air bag diagnosis sensor unit. Refer to SR-37, "Removal and Installation".

B0001 DRIVER AIR BAG MODULE

DTC Description

INFOID:0000000011285790

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

[B0001–00, B0001–09, B0001–1A]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0001–11]
- 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

[B0001–12]
- 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

[B0001–13]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

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-16, "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-46, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285791

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.CHECK DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0001–13]>>GO TO 4.
[B0001–12]>>GO TO 8.
[B0001–11]>>GO TO 5.
[B0001–00, B0001–09, B0001–1A]>> GO TO 6.

4.CHECK SPIRAL CABLE CIRCUIT 1

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

Terminal		Continuity
10	28	Existed
11	30	

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace spiral cable. Refer to SR-22, "Removal and Installation".

5.CHECK SPIRAL CABLE CIRCUIT 2

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

Terminal		Continuity
10	Ground	Not existed
11		

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace spiral cable. Refer to SR-22, "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 spiral cable terminals.

Terminal		Continuity
10	11	Not existed

Is the inspection result normal?

YES >> GO TO 7.
NO >> Replace spiral cable. Refer to SR-22, "Removal and Installation".

7. CHECK SPIRAL CABLE CIRCUIT 4

Check continuity between spiral cable terminals.

Terminal		Continuity
28	30	Not existed

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace spiral cable. Refer to SR-22, "Removal and Installation".

8. REPLACE SPIRAL CABLE

1. Replace spiral cable. Refer to SR-22, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-45, "DTC Description".

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-17, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-45, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-45, "DTC Description".

Is DTC detected?

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

B0002 DRIVER AIR BAG MODULE

DTC Description

INFOID:0000000011285792

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0002–00	DRIVER AIRBAG MODULE 2 [Driver Frontal Stage 2 Deployment Control (Subfault)]	[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)
B0002–09		[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)
B0002–11		[GND-SHORT]	Driver air bag module circuit is shorted to ground (including the spiral cable)
B0002–12		[VB-SHORT]	Driver air bag module circuit is shorted to power supply circuit (including the spiral cable)
B0002–13		[OPEN]	Driver air bag module circuit is open (including the spiral cable)
B0002–1A		[SHORT]	Driver air bag module circuits are shorted to each other (including the spiral cable)

POSSIBLE CAUSE

[B0002–00, B0002–09, B0002–1A]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0002–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0002–12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0002–13]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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-16, "On Board Diagnosis Function".

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

Is malfunctioning part detected?

YES >> Refer to SRC-49, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285793

WARNING:

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.CHECK DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0002–13]>>GO TO 4.
[B0002–12]>>GO TO 8.
[B0002–11]>>GO TO 5.
[B0002–00, B0002–09, B0002–1A]>>GO TO 6.

4.CHECK SPIRAL CABLE CIRCUIT 1

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

Terminal		Continuity
12	29	Existed
9	30	

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace spiral cable. Refer to SR-22, "Removal and Installation".

5.CHECK SPIRAL CABLE CIRCUIT 2

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

Terminal	Ground	Continuity
12		Not existed
9		

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace spiral cable. Refer to SR-22, "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 spiral cable terminals.

Terminal		Continuity
12	9	Not existed

Is the inspection result normal?

YES >> GO TO 7.
NO >> Replace spiral cable. Refer to SR-22, "Removal and Installation".

7. CHECK SPIRAL CABLE CIRCUIT 4

Check continuity between spiral cable terminals.

Terminal		Continuity
29	30	Not existed

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace spiral cable. Refer to SR-22, "Removal and Installation".

8. REPLACE SPIRAL CABLE

1. Replace spiral cable. Refer to SR-22, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-48, "DTC Description".

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-17, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-48, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-48, "DTC Description".

Is DTC detected?

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

B0010 PASSENGER AIR BAG MODULE

DTC Description

INFOID:0000000011285794

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0010–09	ASSIST A/B MODULE [Passenger Frontal Stage 1 Deployment Control (Subfault)]	[SHORT]	Passenger air bag module circuits are shorted to each other
B0010–11		[GND-SHORT]	Passenger air bag module circuit is shorted to ground
B0010–12		[VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit
B0010–13		[OPEN]	Passenger air bag module circuit is open
B0010–1A		[SHORT]	Passenger air bag module circuits are shorted to each other

POSSIBLE CAUSE

[B0010–09, B0010–1A]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0010–11]
- 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

[B0010–12]
- 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

[B0010–13]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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-16, "On Board Diagnosis Function".

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

Is malfunctioning part detected?

YES >> Refer to SRC-51, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285795

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-25, "Removal and Installation"
2. Perform DTC confirmation procedure. Refer to SRC-51, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-51, "DTC Description".

Is DTC detected?

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

B0011 PASSENGER AIR BAG MODULE

DTC Description

INFOID:0000000011285796

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0011–09	ASSIST A/B MODULE 2 [Passenger Frontal Stage 2 Deployment Control (Subfault)]	[SHORT]	Passenger air bag module circuits are shorted to each other
B0011–11		[GND-SHORT]	Passenger air bag module circuit is shorted to ground
B0011–12		[VB-SHORT]	Passenger air bag module circuit is shorted to power supply circuit
B0011–13		[OPEN]	Passenger air bag module circuit is open
B0011–1A		[SHORT]	Passenger air bag module circuits are shorted to each other

POSSIBLE CAUSE

[B0011–09, B0011–1A]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0011–11]
- 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

[B0011–12]
- 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

[B0011–13]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

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-16, "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-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285797

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-25, "Removal and Installation"
2. Perform DTC confirmation procedure. Refer to SRC-53, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-53, "DTC Description".

Is DTC detected?

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

B0020 SIDE AIR BAG MODULE

DTC Description

INFOID:0000000011285798

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0020–09	SIDE A/B MODULE LH [Left Side Airbag Deployment Control (Subfault)]	[SHORT]	Side air bag module LH circuits are shorted to each other
B0020–11		[GND-SHORT]	Side air bag module LH circuit is shorted to ground
B0020–12		[VB-SHORT]	Side air bag module LH circuit is shorted to power supply circuit
B0020–13		[OPEN]	Side air bag module LH circuit is open
B0020–1A		[SHORT]	Side air bag module LH circuits are shorted to each other

POSSIBLE CAUSE

[B0020–09, B0020–1A]
- 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

[B0020–11]
- 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

[B0020–12]
- 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

[B0020–13]
- 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

FAIL-SAFE

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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-16, "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-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285799

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 SIDE AIR BAG MODULE LH

1. Replace side air bag module LH. Refer to SE-79, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-55, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-55, "DTC Description".

Is DTC detected?

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

B0021 CURTAIN AIR BAG MODULE

DTC Description

INFOID:0000000011285800

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0021–09	CURTAIN A/B MODULE LH [Left Curtain Deployment Control 1 (Subfault)]	[SHORT]	Curtain air bag module LH circuits are shorted to each other
B0021–11		[GND-SHORT]	Curtain air bag module LH circuit is shorted to ground
B0021–12		[VB-SHORT]	Curtain air bag module LH circuit is shorted to power supply circuit
B0021–13		[OPEN]	Curtain air bag module LH circuit is open
B0021–1A		[SHORT]	Curtain air bag module LH circuits are shorted to each other

POSSIBLE CAUSE

[B0021–09, B0021–1A]
- 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

[B0021–11]
- 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

[B0021–12]
- 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

[B0021–13]
- 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

FAIL-SAFE

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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-16, "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-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285801

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 CURTAIN AIR BAG MODULE LH

1. Replace curtain air bag module LH. Refer to SR-28, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-57, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-57, "DTC Description".

Is DTC detected?

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

B0028 SIDE AIR BAG MODULE

DTC Description

INFOID:0000000011285802

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0028–09	SIDE A/B MODULE RH [Right Side Airbag Deployment Control (Subfault)]	[SHORT]	Side air bag module RH circuits are shorted to each other
B0028–11		[GND-SHORT]	Side air bag module RH circuit is shorted to ground
B0028–12		[VB-SHORT]	Side air bag module RH circuit is shorted to power supply circuit
B0028–13		[OPEN]	Side air bag module RH circuit is open
B0028–1A		[SHORT]	Side air bag module RH circuits are shorted to each other

POSSIBLE CAUSE

[B0028–09, B0028–1A]
- 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

[B0028–11]
- 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

[B0028–12]
- 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

[B0028–13]
- 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

FAIL-SAFE

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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-16, "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-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285803

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 SIDE AIR BAG MODULE RH

1. Replace side air bag module RH. Refer to SE-79, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-59, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-59, "DTC Description".

Is DTC detected?

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

B0029 CURTAIN AIR BAG MODULE

DTC Description

INFOID:0000000011285804

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0029–09	CURTAIN A/B MODULE RH [Right Curtain Deployment Control 1 (Subfault)]	[SHORT]	Curtain air bag module RH circuits are shorted to each other
B0029–11		[GND-SHORT]	Curtain air bag module RH circuit is shorted to ground
B0029–12		[VB-SHORT]	Curtain air bag module RH circuit is shorted to power supply circuit
B0029–13		[OPEN]	Curtain air bag module RH circuit is open
B0029–1A		[SHORT]	Curtain air bag module RH circuits are shorted to each other

POSSIBLE CAUSE

[B0029–09, B0029–1A]
- 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

[B0029–11]
- 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

[B0029–12]
- 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

[B0029–13]
- 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

FAIL-SAFE

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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-16, "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-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285805

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 CURTAIN AIR BAG MODULE RH

1. Replace curtain air bag module RH. Refer to SR-28, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-61, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-61, "DTC Description".

Is DTC detected?

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

B0091 B-PILLAR SATELLITE SENSOR

DTC Description

INFOID:0000000011285806

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0091–11	B-PILLAR SAT SEN LH [Left Side Restraints Sensor 1 (Subfault)]	[GND-SHORT]	B-pillar satellite sensor LH circuit is shorted to ground
B0091–23		[LOWER LIMIT ERR]	Lower limit value malfunction of B-pillar satellite sensor LH
B0091–24		[UPPER LIMIT ERR]	Upper limit value malfunction of B-pillar satellite sensor LH
B0091–25		[SELF-DIAG ERR]	Diagnosis malfunction of B-pillar satellite sensor LH
B0091–28		[OFFSET ERR]	Offset malfunction of B-pillar satellite sensor LH
B0091–81		[COMM ERR]	Communication malfunction of B-pillar satellite sensor LH
B0091–86		[UNMATCH]	B-pillar satellite sensor LH is out of the specified specification
B0091–88		[OPEN]	B-pillar satellite sensor LH circuit is open
B0091–93		[RESET]	Reset malfunction of B-pillar satellite sensor LH

POSSIBLE CAUSE

[B0091–11]
- 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

[B0091–23, B0091–24, B0091–25, B0091–28]
- Internal malfunction of B-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0091–81, B0091–93]
- Connection malfunction of harness or connector
- Internal malfunction of B-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0091–86]
- Air bag diagnosis sensor unit and B-pillar satellite sensor LH is different from the part specified

[B0091–88]
- 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

FAIL-SAFE

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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-16, "On Board Diagnosis Function".

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

Is malfunctioning part detected?

YES >> Refer to SRC-64, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285807

WARNING:

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

1.CHECK DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0091–86] >> GO TO 4.
Other than the above >> GO TO 2.

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace harness connector.

3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace wiring harness.

4.REPLACE B-PILLAR SATELLITE SENSOR LH

1. Replace B-pillar satellite sensor LH. Refer to SR-32, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-63, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-63, "DTC Description".

Is DTC detected?

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

B0092 C-PILLAR SATELLITE SENSOR

DTC Description

INFOID:0000000011285808

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0092–11	C-PILLAR SAT SEN LH [Left Side Restraints Sensor 2 (Subfault)]	[GND-SHORT]	C-pillar satellite sensor LH circuit is shorted to ground
B0092–23		[LOWER LIMIT ERR]	Lower limit value malfunction of C-pillar satellite sensor LH
B0092–24		[UPPER LIMIT ERR]	Upper limit value malfunction of C-pillar satellite sensor LH
B0092–25		[SELF-DIAG ERR]	Diagnosis malfunction of C-pillar satellite sensor LH
B0092–28		[OFFSET ERR]	Offset malfunction of C-pillar satellite sensor LH
B0092–81		[COMM ERR]	Communication malfunction of C-pillar satellite sensor LH
B0092–86		[UNMATCH]	C-pillar satellite sensor LH is out of the specified specification
B0092–88		[OPEN]	C-pillar satellite sensor LH circuit is open
B0092–93		[RESET]	Reset malfunction of C-pillar satellite sensor LH

POSSIBLE CAUSE

[B0092–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0092–23, B0092–24, B0092–25, B0092–28]
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0092–81, B0092–93]
- Connection malfunction of harness or connector
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[0092–86]
- Air bag diagnosis sensor unit and C-pillar satellite sensor LH is different from the part specified

[0092–88]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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-16, "On Board Diagnosis Function".

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

Is malfunctioning part detected?

YES >> Refer to SRC-66, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285809

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?

[B0092–86] >> GO TO 4.
Other than the above >> GO TO 2.

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace harness connector.

3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace wiring harness.

4.REPLACE C-PILLAR SATELLITE SENSOR LH

1. Replace C-pillar satellite sensor LH. Refer to SR-32, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-65, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-65, "DTC Description".

Is DTC detected?

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

B0093 FRONT DOOR SATELLITE SENSOR LH

DTC Description

INFOID:0000000011285810

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0093–11	DOOR SATEL SENS LH [Left Side Restraints Sensor 3 (Subfault)]	[GND-SHORT]	Front door satellite sensor LH circuit is shorted to ground
B0093–23		[LOWER LIMIT ERR]	Lower limit value malfunction of front door satellite sensor LH
B0093–24		[UPPER LIMIT ERR]	Upper limit value malfunction of front door satellite sensor LH
B0093–25		[SELF-DIAG ERR]	Diagnosis malfunction of front door satellite sensor LH
B0093–28		[OFFSET ERR]	Offset malfunction of front door satellite sensor LH
B0093–81		[COMM ERR]	Communication malfunction of front door satellite sensor LH
B0093–93		[RESET]	Reset malfunction of front door satellite sensor LH
B0093–86		[UNMATCH]	Front door satellite sensor LH is out of the specified specification
B0093–88		[OPEN]	Front door satellite sensor LH circuit is open

POSSIBLE CAUSE

[B0093–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of front door satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0093–23, B0093–24, B0093–25, B0093–28]
- Internal malfunction of front door satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0093–81, B0093–93]
- Connection malfunction of harness or connector
- Internal malfunction of front door satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[B0093–86]
- Air bag diagnosis sensor unit and front door satellite sensor LH is different from the part specified

[B0093–88]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of front door satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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-16, "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-68, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285811

WARNING:

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

1.CHECK DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0093–86] >> GO TO 4.
Other than the above >> GO TO 2.

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace harness connector.

3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace wiring harness.

4.REPLACE FRONT DOOR SATELLITE SENSOR LH

1. Replace front door satellite sensor LH. Refer to SR-32, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-67, "DTC Description"

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-67, "DTC Description".

Is DTC detected?

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

B0094 CRASH ZONE SENSOR

DTC Description

INFOID:0000000011285812

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0094–11	CRASH ZONE SENS [Center Frontal Restraints Sensor (Subfault)]	[GND-SHORT]	Crash zone sensor circuit is shorted to ground
B0094–23		[LOWER LIMIT ERR]	Lower limit value malfunction of crash zone sensor
B0094–24		[UPPER LIMIT ERR]	Upper limit value malfunction of crash zone sensor
B0094–25		[SELF-DIAG ERR]	Diagnosis malfunction of crash zone sensor
B0094–28		[OFFSET ERR]	Offset malfunction of crash zone sensor
B0094–81		[COMM ERR]	Communication malfunction of crash zone sensor
B0094–86		[UNMATCH]	Crash zone sensor is out of the specified specification
B0094–88		[OPEN]	Crash zone sensor circuit is open
B0094–93		[RESET]	Reset malfunction of crash zone sensor

POSSIBLE CAUSE

[B0094–11]
- 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

[B0094–23, B0094–24, B0094–25, B0094–28]
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

[B0094–81, B0094–93]
- Connection malfunction of harness or connector
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

[B0094–86]
- Air bag diagnosis sensor unit and crash zone sensor is different from the part specified

[B0094–88]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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-16, "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-70, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285813

WARNING:

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

1.CHECK DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0094–86] >> GO TO 4.
Other than the above >> GO TO 2.

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace harness connector.

3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace wiring harness.

4.REPLACE CRASH ZONE SENSOR

1. Replace crash zone. Refer to SR-30, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-69, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-69, "DTC Description".

Is DTC detected?

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

B0096 B-PILLAR SATELLITE SENSOR

DTC Description

INFOID:0000000011285814

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0096–11	B-PILLAR SAT SEN RH [Right Frontal Restraints Sensor 1(Subfault)]	[GND-SHORT]	B-pillar satellite sensor RH circuit is shorted to ground
B0096–23		[LOWER LIMIT ERR]	Lower limit value malfunction of B-pillar satellite sensor RH
B0096–24		[UPPER LIMIT ERR]	Upper limit value malfunction of B-pillar satellite sensor RH
B0096–25		[SELF-DIAG ERR]	Diagnosis malfunction of B-pillar satellite sensor RH
B0096–28		[OFFSET ERR]	Offset malfunction of B-pillar satellite sensor RH
B0096–81		[COMM ERR]	Communication malfunction of B-pillar satellite sensor RH
B0096–86		[UNMATCH]	B-pillar satellite sensor RH is out of the specified specification
B0096–88		[OPEN]	B-pillar satellite sensor RH circuit is open
B0096–93		[RESET]	Reset malfunction of B-pillar satellite sensor RH

POSSIBLE CAUSE

[B0096–11]
- 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

[B0096–23, B0096–24, B0096–25, B0096–28]
- Internal malfunction of B-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0096–81, B0096–93]
- Connection malfunction of harness or connector
- Internal malfunction of B-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0096–86]
- Air bag diagnosis sensor unit and B-pillar satellite sensor RH is different from the part specified

[B0096–88]
- 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

FAIL-SAFE

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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-16, "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-72, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285815

WARNING:

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

1.CHECK DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0096–86] >> GO TO 4.
Other than the above >> GO TO 2.

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace harness connector.

3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace wiring harness.

4.REPLACE B-PILLAR SATELLITE SENSOR RH

1. Replace B-pillar satellite sensor RH. Refer to SR-32, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-71, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-71, "DTC Description".

Is DTC detected?

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

B0097 C-PILLAR SATELLITE SENSOR

DTC Description

INFOID:0000000011285816

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0097–11	C-PILLAR SAT SEN RH [Right Frontal Restraints Sensor 2 (Subfault)]	[GND-SHORT]	C-pillar satellite sensor RH circuit is shorted to ground
B0097–23		[LOWER LIMIT ERR]	Lower limit value malfunction of C-pillar satellite sensor RH
B0097–24		[UPPER LIMIT ERR]	Upper limit value malfunction of C-pillar satellite sensor RH
B0097–25		[SELF-DIAG ERR]	Diagnosis malfunction of C-pillar satellite sensor RH
B0097–28		[OFFSET ERR]	Offset malfunction of C-pillar satellite sensor RH
B0097–81		[COMM ERR]	Communication malfunction of C-pillar satellite sensor RH
B0097–86		[UNMATCH]	C-pillar satellite sensor RH is out of the specified specification
B0097–88		[OPEN]	C-pillar satellite sensor RH circuit is open
B0097–93		[RESET]	Reset malfunction of C-pillar satellite sensor RH

POSSIBLE CAUSE

[B0097–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of C-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0097–23, B0097–24, B0097–25, B0097–28]
- Internal malfunction of C-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0097–81, B0097–93]
- Connection malfunction of harness or connector
- Internal malfunction of C-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0097–86]
- Air bag diagnosis sensor unit and C-pillar satellite sensor RH is different from the part specified

[B0097–88]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of C-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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-16, "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-74, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285817

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?

[B0097–86] >> GO TO 4.
Other than the above >> GO TO 2.

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace harness connector.

3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace wiring harness.

4.REPLACE C-PILLAR SATELLITE SENSOR RH

1. Replace C-pillar satellite sensor RH. Refer to SR-32, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-73, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-73, "DTC Description".

Is DTC detected?

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

B0098 FRONT DOOR SATELLITE SENSOR RH

DTC Description

INFOID:0000000011285818

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0098–11	DOOR SATEL SENS RH [Right Frontal Restraints Sensor 3 (Subfault)]	[GND-SHORT]	Front door satellite sensor RH circuit is shorted to ground
B0098–23		[LOWER LIMIT ERR]	Lower limit value malfunction of front door satellite sensor RH
B0098–24		[UPPER LIMIT ERR]	Upper limit value malfunction of front door satellite sensor RH
B0098–25		[SELF-DIAG ERR]	Diagnosis malfunction of front door satellite sensor RH
B0098–28		[OFFSET ERR]	Offset malfunction of front door satellite sensor RH
B0098–81		[COMM ERR]	Communication malfunction of front door satellite sensor RH
B0098–86		[UNMATCH]	Front door satellite sensor RH is out of the specified specification
B0098–88		[OPEN]	Front door satellite sensor RH circuit is open
B0098–93		[RESET]	Reset malfunction of front door satellite sensor RH

POSSIBLE CAUSE

[B0098–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of front door satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0098–23, B0098–24, B0098–25, B0098–28]
- Internal malfunction of front door satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0098–81, B0098–93]
- Connection malfunction of harness or connector
- Internal malfunction of front door satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[B0098–86]
- Air bag diagnosis sensor unit and front door satellite sensor RH is different from the part specified

[B0098–88]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of front door satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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-16, "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-76, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285819

WARNING:

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

1.CHECK DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0098–86] >> GO TO 4.
Other than the above >> GO TO 2.

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace harness connector.

3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace wiring harness.

4.REPLACE FRONT DOOR SATELLITE SENSOR RH

1. Replace front door satellite sensor RH. Refer to SR-32, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-75, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-75, "DTC Description".

Is DTC detected?

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

B00A0 OCCUPANT DETECTION SYSTEM CONTROL UNIT

DTC Description

INFOID:0000000011285820

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B00A0–00	OCCUPANT SENS [Occupant Classification System (Subfault)]	[ABNORMAL VOLTAGE]	Power supply malfunction of occupant detection sensor
B00A0–02		[UNIT MALFUNC]	Malfunction of occupant detection sensor
B00A0–09		[UNIT MALFUNC]	Malfunction of occupant detection sensor
B00A0–04	OCCUPANT SENS C/U [Occupant Classification System (Subfault)]	[UNIT MALFUNC]	Malfunction of occupant detection sensor control unit
B00A0–83		[COMM ERR]	• Communication malfunction of occupant detection sensor control unit • Communication blank of occupant detection sensor control unit
B00A0–86		[COMM ERR]	• Communication malfunction of occupant detection sensor control unit • Communication blank of occupant detection sensor control unit
B00A0–87		[COMM ERR]	• Communication malfunction of occupant detection sensor control unit • Communication blank of occupant detection sensor control unit
B00A0–88		[COMM ERR]	• Communication malfunction of occupant detection sensor control unit • Communication blank of occupant detection sensor control unit
B00A0–8F		[UNDEFINED]	Undefined status of occupant detection sensor control unit
B00A0–93		[RESET]	Reset malfunction of occupant detection sensor control unit

POSSIBLE CAUSE

OCCUPANT SENS
- [B00A0–00]
  - Connection malfunction or short circuit to power supply of harness or connector
  - Internal malfunction of occupant detection sensor
  - Internal malfunction of air bag diagnosis sensor unit
- [B00A0–02, B00A0–09]
  - Connection malfunction of harness and connector
  - Internal malfunction of occupant detection sensor
  - Internal malfunction of air bag diagnosis sensor unit

OCCUPANT SENS C/U
- [B00A0–04, B00A0–83, B00A0–86, B00A0–87, B00A0–88, B00A0–8F]
  - Connection malfunction or open circuit of harness and connector
  - Internal malfunction of occupant detection sensor control unit
  - Internal malfunction of air bag diagnosis sensor unit
- [B00A0–93]
  - Connection malfunction of harness and connector
  - Internal malfunction of occupant detection sensor control unit
  - Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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-16, "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-78, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285821

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 DETECTION SYSTEM CONTROL UNIT

1. Replace occupant detection system control unit. Refer to SR-39, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-77, "DTC Description".

Is DTC detected?

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

4.REPLACE OCCUPANT DETECTION SYSTEM SEAT SENSOR

1. Replace seat frame. Refer to SE-79, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-77, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-77, "DTC Description".

Is DTC detected?

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

B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

DTC Description

INFOID:0000000011285822

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B00D5–04	PASS A/B INDCTR CKT [Restraint System Passenger Disable Indicator (Subfault)]	[UNIT MALFUNC]	Malfunction in front passenger air bag OFF indicator circuit
B00D5–11		[GND-SHORT]	Front passenger air bag OFF indicator circuit is shorted to ground
B00D5–12		[VB-SHORT]	Front passenger air bag OFF indicator circuit is shorted to power supply circuit
B00D5–13		[OPEN]	Front passenger air bag OFF indicator circuit is open
B00D5–15		[PWE-SHORT/OPEN]	Front passenger air bag OFF indicator circuit is open or shorted to power supply circuit

POSSIBLE CAUSE

[B00D5–04]
- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

[B00D5–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

[B00D5–12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

[B00D5–13]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

[B00D5–15]
- Connection malfunction or short circuit to power supply of harness and connector
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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-16, "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-80, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".

NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285823

WARNING:

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

DIAGNOSTIC PROCEDURE

1.CHECK HARNESS CONNECTOR

Check the connection of harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.CHECK FRONT PASSENGER AIR BAG OFF INDICATOR

1. Replace integral switch. Refer to AV-273, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-79, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-79, "DTC Description".

Is DTC detected?

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

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

DTC Description

INFOID:0000000011285824

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

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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-16, "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-81, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285825

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-81, "DTC Description".

Is DTC detected?

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

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

DTC Description

INFOID:0000000011285826

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

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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-16, "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-83, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285827

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-83, "DTC Description".

Is DTC detected?

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

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

DTC Description

INFOID:0000000011285828

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

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-16, "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-85, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285829

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-85, "DTC Description".

Is DTC detected?

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

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

DTC Description

INFOID:0000000011285830

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

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-16, "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-87, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285831

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-87, "DTC Description".

Is DTC detected?

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

B1421 FRONTAL COLLISION DETECTION

DTC Description

INFOID:0000000011285832

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

- Malfunction of frontal-related parts
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

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-16, "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-89, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285833

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-11, "FOR FRONTAL COLLISION : When SRS is activated in a collision" or SR-12, "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-23, "DTC Index".

B1422 SIDE COLLISION DETECTION

DTC Description

INFOID:0000000011285834

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

- Malfunction of side-related parts
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

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-16, "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-90, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285835

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-13, "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision" or SR-14, "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-23, "DTC Index".

B1425 REAR COLLISION DETECTION

DTC Description

INFOID:0000000011285836

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

- Malfunction of rear crash-related parts
- 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-16, "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-91, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285837

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-12, "FOR FRONTAL COLLISION : When SRS is not activated in a collision" or SR-14, "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-23, "DTC Index".

B142A IGN VOLTAGE

DTC Description

INFOID:0000000011285838

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B142A–16	IGNITION VOLTAGE (Ignition voltage Low)	[VB-LOW]	Power supply malfunction (low voltage) of air bag diagnosis sensor unit
B142A–17	IGNITION VOLTAGE (Ignition voltage High)	[VB-HIGH]	Power supply malfunction (high voltage) of air bag diagnosis sensor unit

POSSIBLE CAUSE

[B142A–16]
- Malfunction of battery voltage (low voltage)
- Connection malfunction of harness or connector
- Internal malfunction of air bag diagnosis sensor unit

[B142A–17]
- Malfunction of battery voltage (high voltage)
- Connection malfunction of harness or connector
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

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-16, "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-92, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285839

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-114, "How to Handle Battery".

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace battery. Refer to PG-122, "Removal and Installation".

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace harness connectors.

3. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace wiring harness.

4. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-92, "DTC Description".

Is DTC detected?

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

B1430 SEAT BELT PRE-TENSIONER

DTC Description

INFOID:0000000011285840

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1430–09	PRE-TEN FRONT LH [front seat belt pre-tensioner squib left hand component failures (cross connection)]	[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other
B1430–11	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit short to GND)	[GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground
B1430–12	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit short to battery)	[VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit
B1430–13	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit)	[OPEN]	Seat belt pre-tensioner LH circuit is open
B1430–1A	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit resistance below threshold)	[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other

POSSIBLE CAUSE

[B1430–09, B1430–1A]
- 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

[B1430–11]
- 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

[B1430–12]
- 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

[B1430–13]
- 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

FAIL-SAFE

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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-16, "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-95, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285841

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 SEAT BELT PRE-TENSIONER LH

1. Replace seat belt pre-tensioner LH. Refer to SR-35, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-94, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-94, "DTC Description".

Is DTC detected?

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

B1431 SEAT BELT PRE-TENSIONER

DTC Description

INFOID:0000000011285842

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1431–09	PRE-TEN FRONT RH [front seat belt pre-tensioner squib right hand component failures (cross connection)]	[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other
B1431–11	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit short to GND)	[GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground
B1431–12	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit short to battery)	[VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit
B1431–13	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit)	[OPEN]	Seat belt pre-tensioner RH circuit is open
B1431–1A	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit resistance below threshold)	[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other

POSSIBLE CAUSE

[B1431–09, B1431–1A]
- 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

[B1431–11]
- 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

[B1431–12]
- 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

[B1431–13]
- 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

FAIL-SAFE

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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-16, "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-97, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285843

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 SEAT BELT PRE-TENSIONER RH

1. Replace seat belt pre-tensioner RH. Refer to SR-35, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-96, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-96, "DTC Description".

Is DTC detected?

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

B1432 LAP PRE-TENSIONER

DTC Description

INFOID:0000000011285844

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1432–09	PRE-TEN FRONT LH 2 [front lap seat belt pre-tensioner squib left hand component failures (cross connection)]	[SHORT]	Lap pre-tensioner LH circuits are shorted to each other
B1432–11	PRE-TEN FRONT LH 2 (front lap seat belt pre-tensioner squib left hand circuit short to GND)	[GND-SHORT]	Lap pre-tensioner LH circuit is shorted to ground
B1432–12	PRE-TEN FRONT LH 2 (front lap seat belt pre-tensioner squib left hand circuit short to battery)	[VB-SHORT]	Lap pre-tensioner LH circuit is shorted to power supply circuit
B1432–13	PRE-TEN FRONT LH 2 (front lap seat belt pre-tensioner squib left hand circuit)	[OPEN]	Lap pre-tensioner LH circuit is open
B1432–1A	PRE-TEN FRONT LH 2 (front lap seat belt pre-tensioner squib left hand circuit resistance below threshold)	[SHORT]	Lap pre-tensioner LH circuits are shorted to each other

POSSIBLE CAUSE

[B1432–09, B1432–1A]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of lap pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

[B1432–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of lap pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

[B1432–12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of lap pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

[B1432–13]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of lap pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAGNOSTIC 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-16, "On Board Diagnosis Function".

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

Is malfunctioning part detected?

YES >> Refer to SRC-99, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285845

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (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 LAP PRE-TENSIONER LH

1. Replace lap pre-tensioner LH. Refer to SR-36, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-98, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-98, "DTC Description".

Is DTC detected?

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

B1433 LAP PRE-TENSIONER

DTC Description

INFOID:0000000011285846

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1433–09	PRE-TEN FRONT RH 2 [front lap seat belt pre-tensioner squib right hand component failures (cross connection)]	[SHORT]	Lap pre-tensioner RH circuits are shorted to each other
B1433–11	PRE-TEN FRONT RH 2 (front lap seat belt pre-tensioner squib right hand circuit short to GND)	[GND-SHORT]	Lap pre-tensioner RH circuit is shorted to ground
B1433–12	PRE-TEN FRONT RH 2 (front lap seat belt pre-tensioner squib right hand circuit short to battery)	[VB-SHORT]	Lap pre-tensioner RH circuit is shorted to power supply circuit
B1433–13	PRE-TEN FRONT RH 2 (front lap seat belt pre-tensioner squib right hand circuit)	[OPEN]	Lap pre-tensioner RH circuit is open
B1433–1A	PRE-TEN FRONT RH 2 (front lap seat belt pre-tensioner squib right hand circuit resistance below threshold)	[SHORT]	Lap pre-tensioner RH circuits are shorted to each other

POSSIBLE CAUSE

[B1433–09, B1433–1A]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of lap pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

[B1433–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of lap pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

[B1433–12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of lap pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

[B1433–13]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of lap pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE

1.CHECK SELF-DIAGNOSTIC 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-16, "On Board Diagnosis Function".

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

Is malfunctioning part detected?

YES >> Refer to SRC-101, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285847

WARNING:
- **Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes. (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 LAP PRE-TENSIONER RH

1. Replace lap pre-tensioner RH. Refer to SB-9, "SEAT BELT RETRACTOR : Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-100, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-100, "DTC Description".

Is DTC detected?

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

B1436 ACTIVE VENT

DTC Description

INFOID:0000000011285848

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1436–09	ACTIVE VENT CIRCUIT [active vent squib for assist side component failures (cross connection)]	[SHORT]	Active vent circuits are shorted to each other
B1436–11	ACTIVE VENT CIRCUIT (active vent squib for assist side circuit short to GND)	[GND-SHORT]	Active vent circuit is shorted to ground
B1436–12	ACTIVE VENT CIRCUIT (active vent squib for assist side circuit short to battery)	[VB-SHORT]	Active vent circuit is shorted to power supply circuit
B1436–13	ACTIVE VENT CIRCUIT (active vent squib for assist side circuit)	[OPEN]	Active vent circuit is open
B1436–1A	ACTIVE VENT CIRCUIT (active vent squib for assist side circuit resistance below threshold)	[SHORT]	Active vent circuits are shorted to each other

POSSIBLE CAUSE

[B1436–09, B1436–1A]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of passenger air bag module (active vent)
- Internal malfunction of air bag diagnosis sensor unit

[B1436–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of passenger air bag module (active vent)
- Internal malfunction of air bag diagnosis sensor unit

[B1436–12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of passenger air bag module (active vent)
- Internal malfunction of air bag diagnosis sensor unit

[B1436–13]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of passenger air bag module (active vent)
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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-16, "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-103, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285849

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-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-102, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-102, "DTC Description".

Is DTC detected?

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

B1500 DOOR SATELLITE SENSOR

DTC Description

INFOID:0000000011285850

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1500–23	DOOR SATELLITE SENSOR (Door-SAT signal stuck low)	[LOWER LIMIT ERR]	Lower limit value malfunction of front door satellite sensor LH or RH
B1500–24	DOOR SATELLITE SENSOR (Door-SAT signal stuck High)	[UPPER LIMIT ERR]	Upper limit value malfunction of front door satellite sensor LH or RH
B1500–92	DOOR SATELLITE SENSOR [Door-SAT performance or incorrect operation]	[PERFRM ERR/INCRCT OPE]	Malfunction of front door satellite sensor LH or RH

POSSIBLE CAUSE

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of front door satellite sensor LH or RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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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-16, "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-104, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000011285851

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

1.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3. REPLACE FRONT DOOR SATELLITE SENSOR LH AND RH

1. Replace front door satellite sensor LH and RH. Refer to SR-32, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-104, "DTC Description".

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-37, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-104, "DTC Description".

Is DTC detected?

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

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:0000000011285852

1.CHECK AIR BAG MODULE AND SEAT BELT PRE-TENSIONER

Check the deployment of air bag module.

Is air bag module deployed?

YES >> Replace the malfunctioning parts.
NO >> GO TO 2.

2.CHECK AIR BAG FUSE

Check 10 A fuse [No. 13, located in fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace the fuse.

3.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace harness connectors.

4.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 5.
NO >> Replace wiring harness.

5.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-37, "Removal and Installation".
2. Check air bag warning lamp operation.

Is the inspection result normal?

YES >> INSPECTION END
NO >> GO TO 6.

6.REPLACE COMBINATION METER

1. Replace combination meter. Refer to MWI-126, "Removal and Installation".
2. Check air bag warning lamp operation.

Is the inspection result normal?

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

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:0000000011285853

1.CHECK COMBINATION METER POWER SUPPLY AND GROUND CIRCUIT

Check combination meter unit power supply and ground circuit. Refer to MWI-104, "COMBINATION METER : Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace the malfunctioning parts.

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Replace harness connectors.

3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 4.
NO >> Replace wiring harness.

4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

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

Does air bag warning lamp turn ON?

YES >> Replace air bag diagnosis sensor unit. Refer to SR-37, "Removal and Installation".
NO >> Replace combination meter. Refer to MWI-126, "Removal and Installation".