SECTION SRC
SRS AIRBAG CONTROL SYSTEM

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PRECAUTION

PRECAUTIONS

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. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

WARNING:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper repair, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SR section.**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

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

WARNING:

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the Ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the Ignition OFF, disconnect the battery or batteries, and wait at least three minutes before performing any service.**

Service

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

Occupant Classification System Precaution

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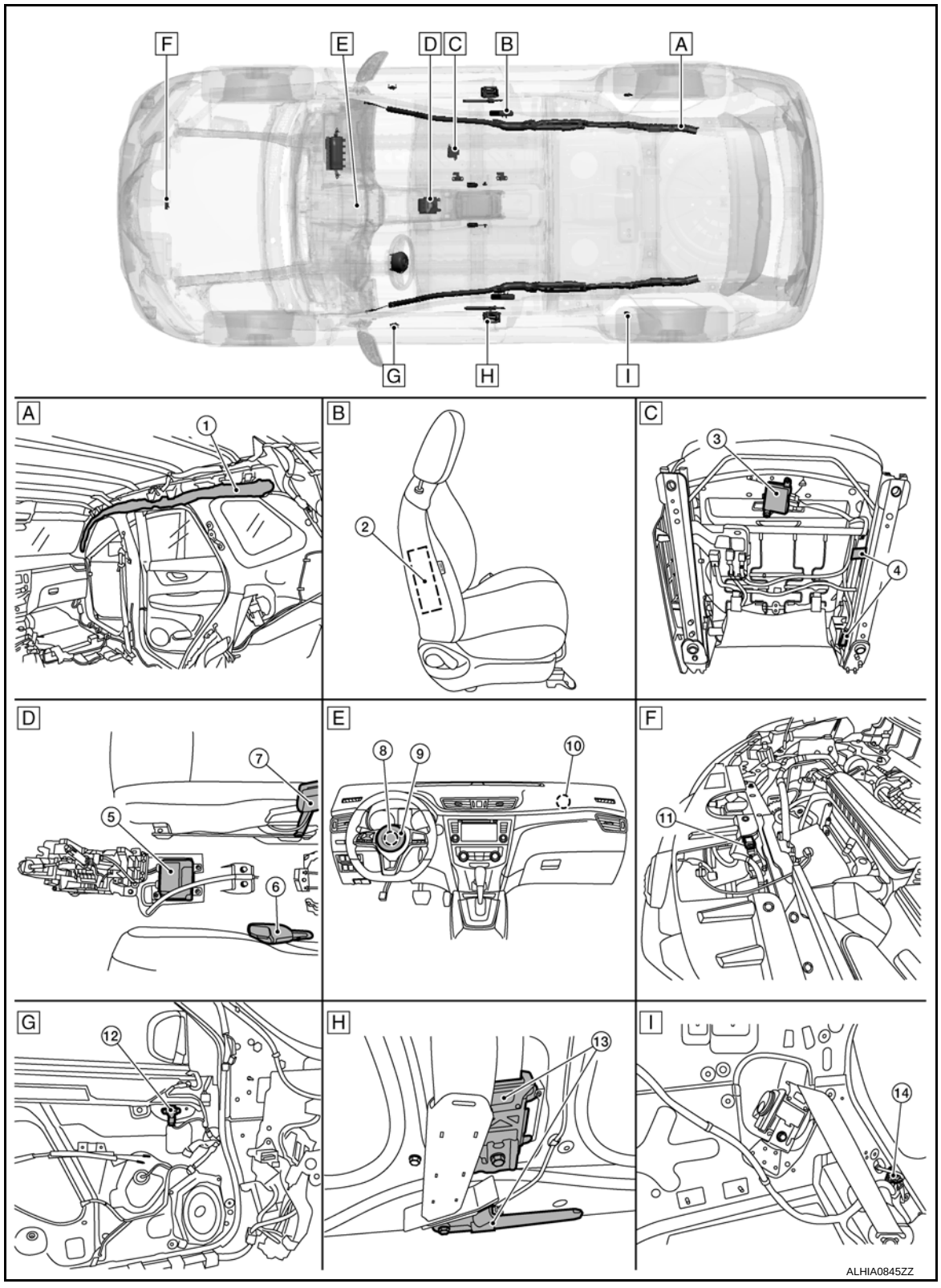
- Replace occupant classification system control unit and passenger front seat cushion as an assembly.
  Refer to SE-34, "DRIVER SIDE : Removal and Installation".

SYSTEM DESCRIPTION

COMPONENT PARTS

Component Parts Location

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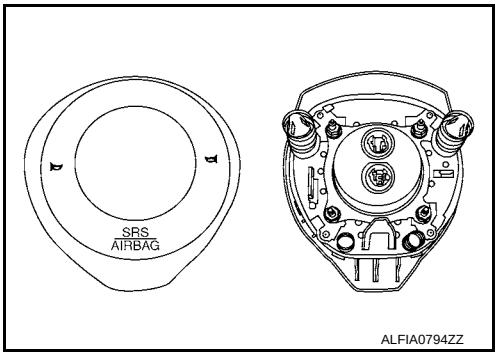
A. View with headlining removed
B. RH front passenger seat
C. Occupant classification system
D. View with center console removed
E. Instrument panel
F. Radiator core support assembly
G. View with drivers door finisher removed
H. View with the lower B-pillar trim removed
I. View with LH rear lower luggage finisher removed

No.	Component	Function
1.	Side curtain air bag module RH (LH similar)	Refer to SRC-7, "Side Curtain Air Bag Module".
2.	Side air bag module RH (LH similar)	Refer to SRC-7, "Front Side Air Bag Module".
3.	Occupant classification system control unit	Refer to SRC-10, "OCCUPANT CLASSIFICATION SYSTEM : System Description".
4.	Occupant classification system sensors	Refer to SRC-10, "OCCUPANT CLASSIFICATION SYSTEM : System Description".
5.	Air bag diagnosis sensor unit	Refer to SRC-8, "Air Bag Diagnosis Sensor Unit".
6.	Seat belt buckle switch LH	The seat belt buckle switch LH provides the seat belt buckle signals to the air bag diagnosis sensor unit and the combination meter.
7.	Seat belt buckle switch RH	The seat belt buckle switch RH provides the seat belt buckle signals to the air bag diagnosis sensor unit and the combination meter.
8.	Drivers air bag module	Refer to SRC-6, "Driver Air Bag Module".
9.	Combination switch (spiral cable)	The Combination switch (spiral cable) provides a rotating physical connection to the driver air bag module.
10.	Front passenger air bag module	Refer to SRC-7, "Front Passenger Air Bag Module".
11.	Crash zone sensor	Refer to SRC-8, "Crash Zone Sensor".
12.	Front door satellite sensor LH (RH similar)	Refer to SRC-8, "Front Door Satellite Sensor".
13.	Front LH seat belt pre-tensioner (RH similar)	Refer to SRC-7, "Front Seat Belt Pre-tensioner".
14.	Rear side satellite sensor LH (RH similar)	Refer to SRC-8, "Rear Side Satellite Sensor".

Driver Air Bag Module

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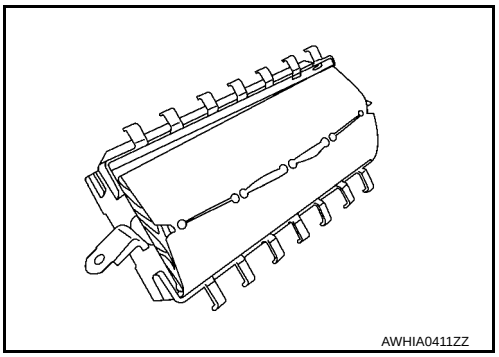
The driver air bag module is dual stage and located in the steering wheel assembly. It operates with the SRS system in a frontal collision exceeding a specified level.



Front Passenger Air Bag Module

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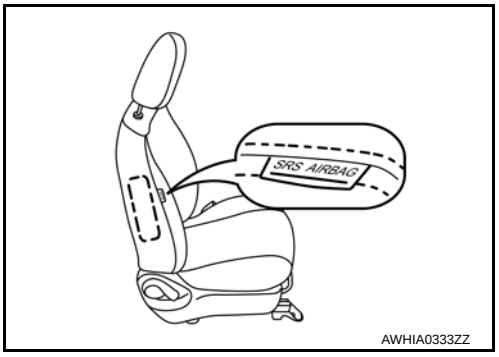
The front passenger air bag module is dual stage and is located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to SRC-9, "SRS AIR BAG SYSTEM : System Description" for more information.



Front Side Air Bag Module

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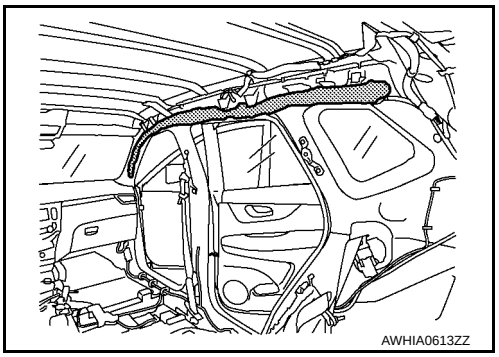
Front side air bag modules are built into the front seatback assemblies. Vehicles with side air bag are equipped with labels as shown.



Side Curtain Air Bag Module

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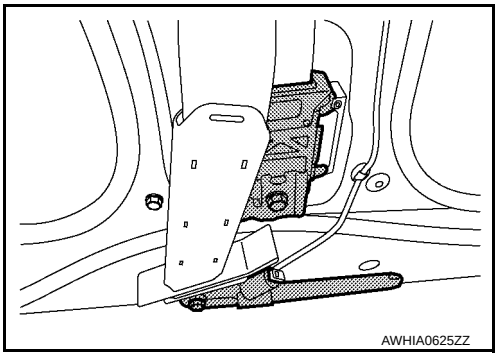
Side curtain air bag modules are located above the vehicle headlining.Vehicles with side curtain air bags are equipped with labels on the pillar upper finishers.



Front Seat Belt Pre-tensioner

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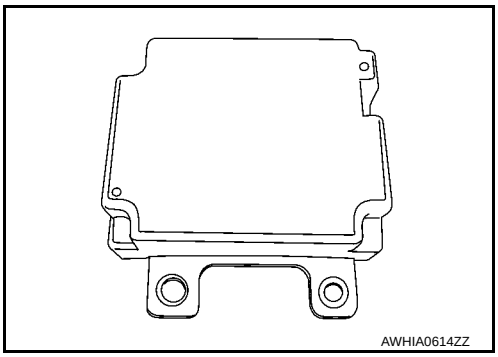
The seat belt pre-tensioner system with load limiter is installed for both the driver's seat and the front passenger's seat. It operates simultaneously with the SRS air bag system in the event of a frontal collision with an impact exceeding a specified level.
When the frontal collision with an impact exceeding a specified level occurs, seat belt slack resulting from clothing or other factors is immediately taken up by the shoulder belt pre-tensioner as well as the lap belt pre-tensioner. Vehicle passengers are securely restrained.
When passengers in a vehicle are thrown forward in a collision and the restraining force of the seat belt exceeds a specified level, the load limiter permits the specified extension of the seat belt by the twisting of the ELR shaft, and a relaxation of the chest-area seat belt web tension while maintaining force.



Air Bag Diagnosis Sensor Unit

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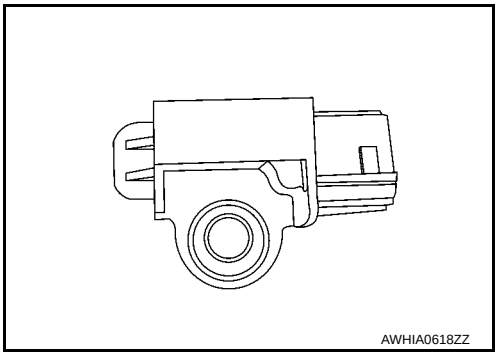
The air bag diagnosis sensor unit is located under the center console assembly. The air bag diagnosis sensor unit receives signals from multiple SRS sensors and controls the deployment of the air bags. The deployment of the air bags depends on the type and severity of the collision. The air bag diagnosis sensor unit has self-diagnosis capability through the use of the CONSULT as well as flash codes displayed by the air bag warning lamp.



Crash Zone Sensor

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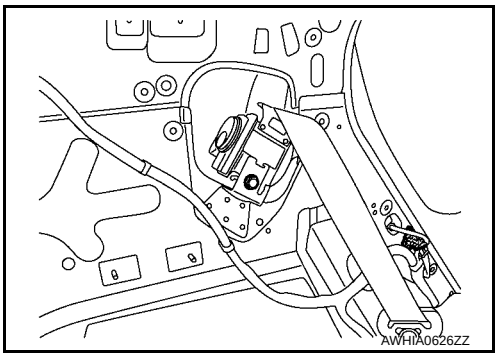
The crash zone sensor is located in front of the radiator. The crash zone sensor sends signals to the air bag diagnosis sensor unit during a frontal collision. This sensor may be identified by a yellow connector.



Rear Side Satellite Sensor

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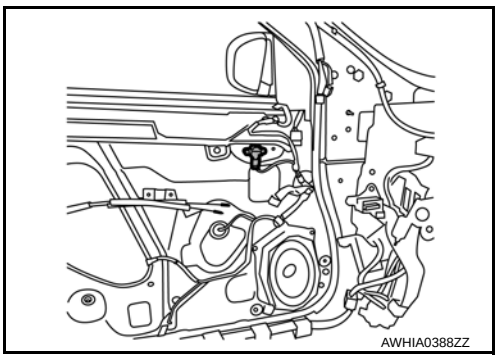
The rear side satellite sensors are located behind the luggage side lower finisher LH and RH. The rear side satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



Front Door Satellite Sensor

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The front door satellite sensors are located in the driver and passenger doors. The front door satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



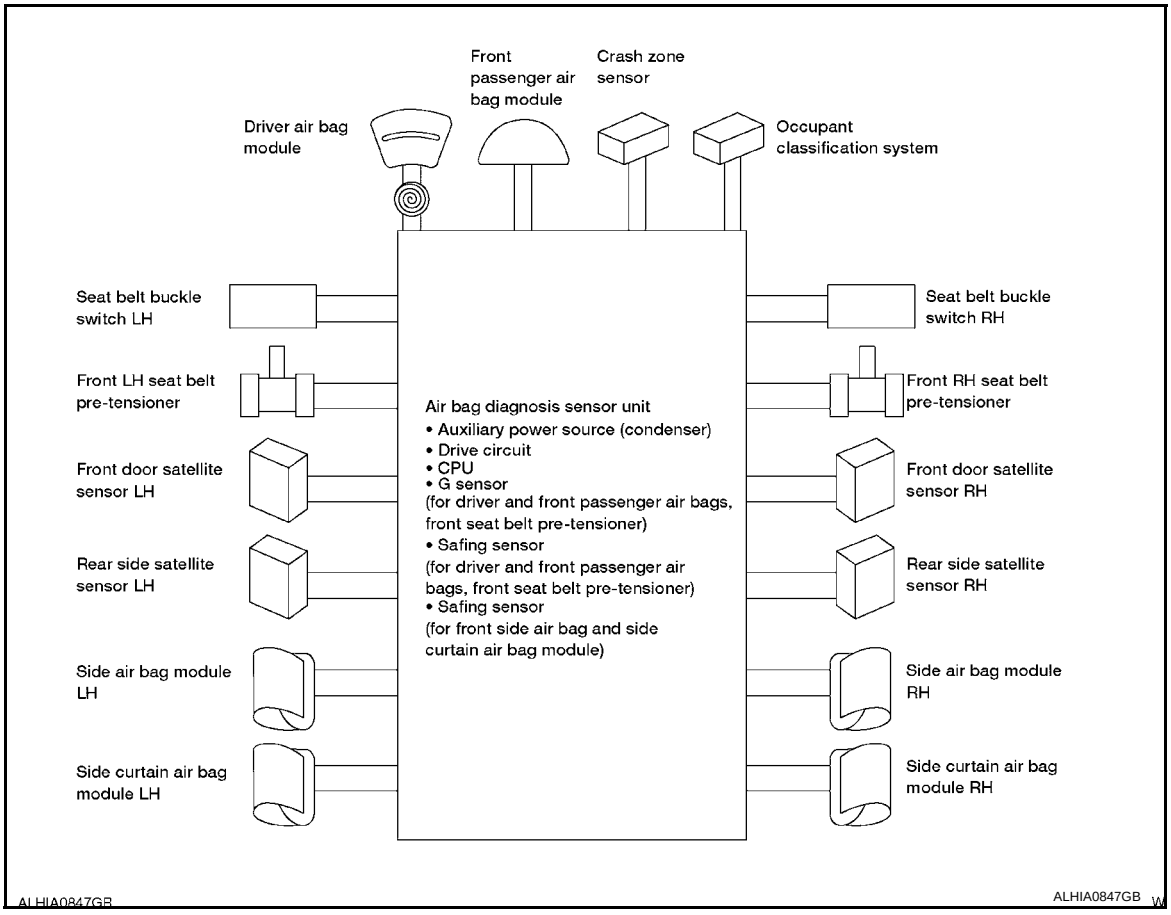
SYSTEM

SRS AIR BAG SYSTEM

SRS AIR BAG SYSTEM : System Description

INFOID:0000000014626071

SYSTEM DIAGRAM



DESCRIPTION

- The air bag deploys if the air bag diagnosis sensor unit is activated while the ignition switch is in the ON or START position.
- The collision modes for which supplemental restraint systems are activated are different among the SRS systems. For example, the driver air bag module, front passenger air bag module and front seat belt pre-tensioners are activated in a frontal collision but not in a side collision.

SRS Collision Modes

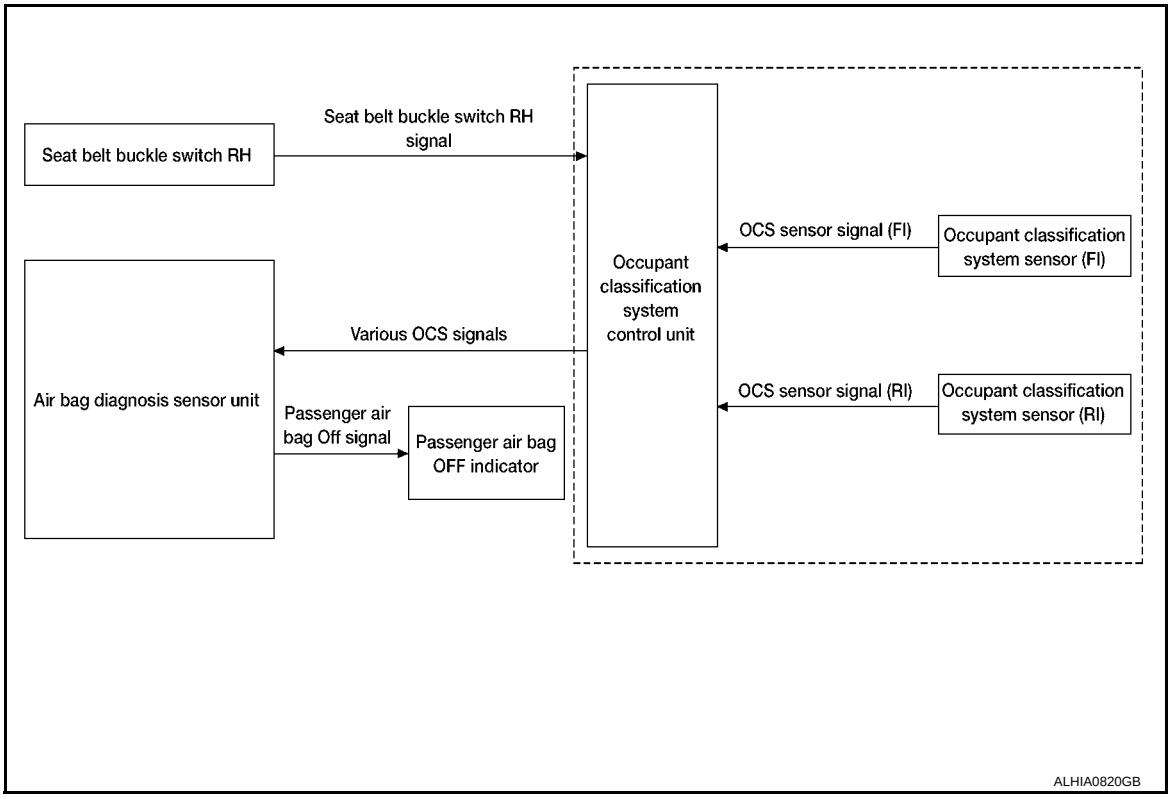
SRS configuration	Frontal collision	Left side collision	Right side collision
Driver air bag module	x	—	—
Front passenger air bag module	x	—	—
Front LH seat belt pre-tensioner	x	—	—
Front RH seat belt pre-tensioner	x	—	—
Front LH side air bag module	—	x	—
Front RH side air bag module	—	—	x
Side curtain air bag module LH	—	x	—
Side curtain air bag module RH	—	—	x

OCCUPANT CLASSIFICATION SYSTEM

OCCUPANT CLASSIFICATION SYSTEM : System Description

INFOID:0000000014626072

SYSTEM DIAGRAM



DESCRIPTION

The occupant classification system (OCS) identifies different size occupants, out of position occupants, and detects if child seat is present in the front passenger seat. The OCS control unit (2) receives inputs from the occupant classification sensors (1) (located on the passenger seat track assembly). Depending on classification of the passenger, the OCS sends a signal to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit uses this signal and the seat belt buckle switch RH signal to determine deployment or non deployment of the passenger front air bag in the event of a collision. Depending on the signals received, the air bag diagnosis sensor unit can disable the passenger front air bag completely. The OCS (weight sensors) must be set to zero point using CONSULT after servicing the OCS system.

NOTE:

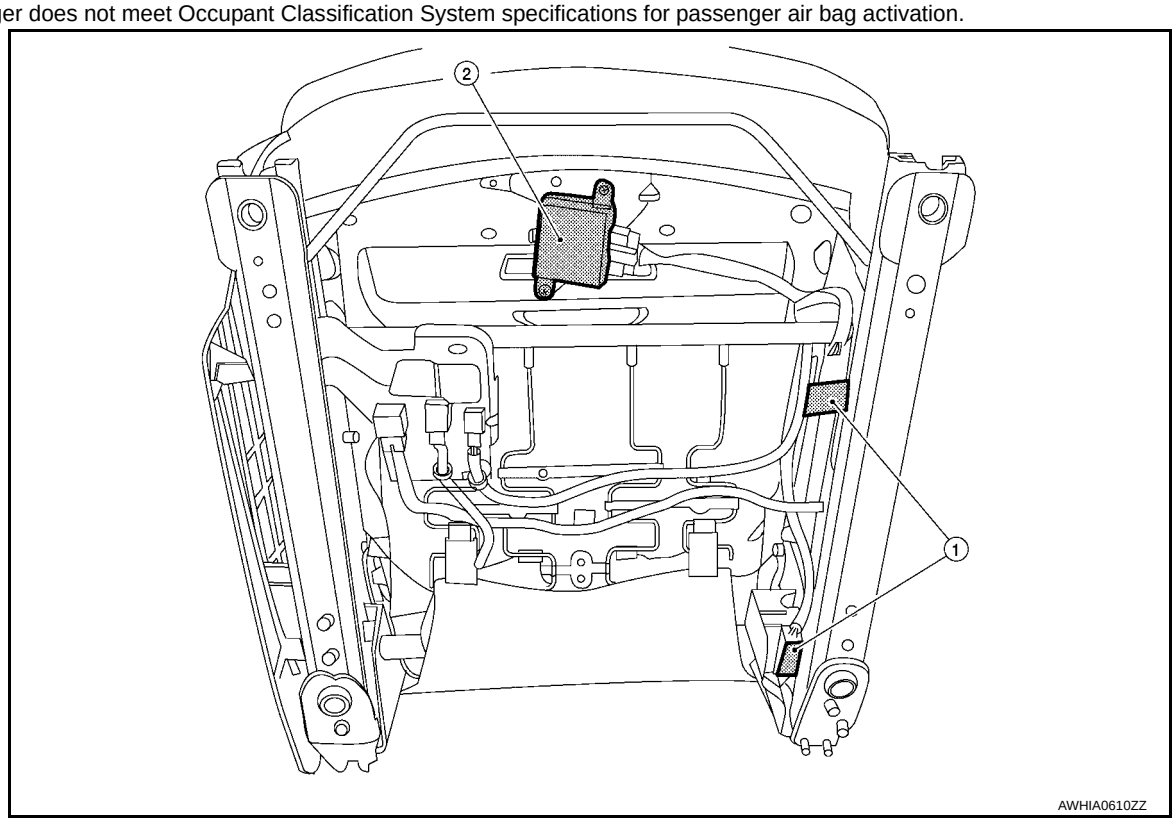
- CONSULT can be used to confirm when “zero point reset” for OCS is complete.
- Always perform zero point reset after the removal and installation of the seat or when disconnecting the OCS control unit harness connector even if zero point reset has been completed in the past.
- If zero point reset is incomplete, the passenger air bag will be disabled and the passenger air bag off indicator will be ON.
- In case of customer concern, CONSULT can be used to confirm the passenger air bag status (readiness).

Passenger Air Bag Status Conditions

Front Passenger Seat (Condition)	PASS AIR BAG OFF Indicator (Status)	Passenger Air Bag Status (Readiness)	CONSULT Display
Seat occupied	OFF	Active (enabled)	ON
Seat occupied NOTE	ON	Deactivated (disabled)	OFF
Seat empty	ON	Deactivated (disabled)	OFF

NOTE:

Passenger does not meet Occupant Classification System specifications for passenger air bag activation.

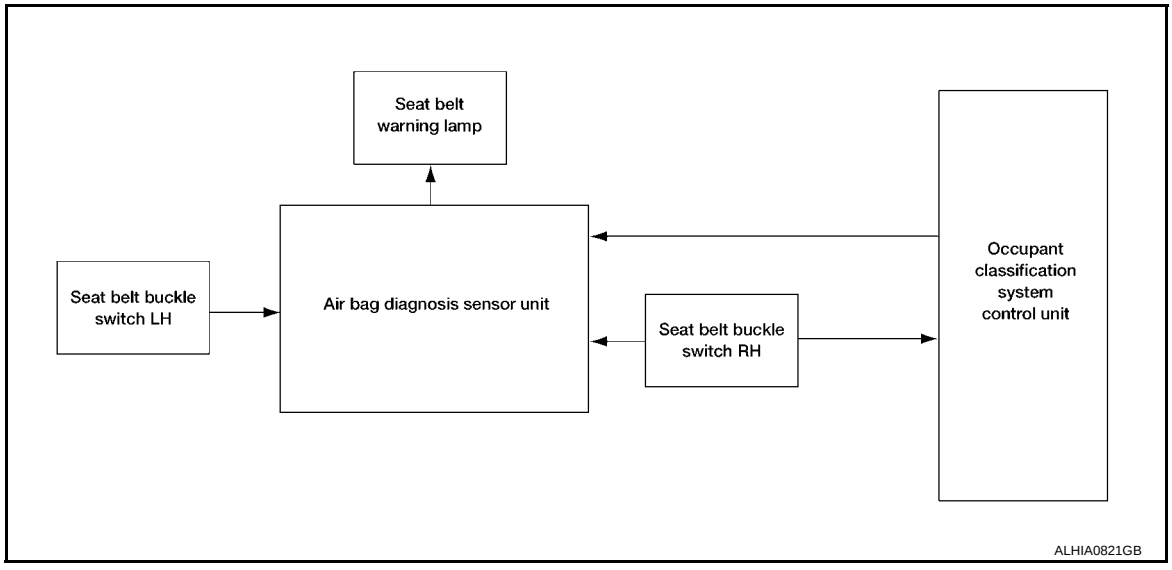


SEAT BELT WARNING LAMP SYSTEM

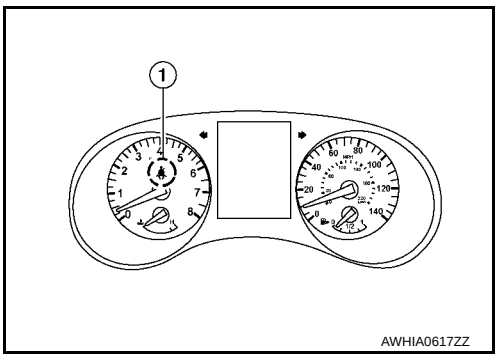
SEAT BELT WARNING LAMP SYSTEM : System Description

INFOID:0000000014626073

SYSTEM DIAGRAM



The seat belt warning lamp (1) will remind the driver if the driver or front passenger seat belt should be buckled. The system works in conjunction with the occupant classification system. Refer to SRC-10, "OCCUPANT CLASSIFICATION SYSTEM : System Description".



Seat Belt Warning System Operation

Driver seat status (Ignition switch ON)	Passenger seat status	Seat belt buckle switch LH status	Seat belt buckle switch RH status	Seat belt warning lamp
Seat occupied	Seat occupied	Buckled	Buckled	Off
			Unbuckled	On
	Seat unoccupied		—	Off
	—	Unbuckled		On

DIAGNOSIS SYSTEM (AIR BAG)

Description

INFOID:0000000014626074

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

×: Application, —: Not application

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

On Board Diagnosis Function

INFOID:0000000014626075

ON-BOARD DIAGNOSIS

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

- USER MODE
- DIAGNOSIS MODE

METHOD OF STARTING

- Diagnosis mode changes from user mode to diagnosis mode when changing operation is performed.
- In user mode, when SRS air bag warning lamp is not turning ON, changing to diagnosis mode by ignition switch operation is not possible.
- In diagnosis mode, when repair is complete and system is normal, the mode changes to user mode when ignition switch is turned from OFF to ON.

Procedure to Change Diagnosis Mode

1. Turn ignition switch from OFF to ON.
2. SRS air bag lamp turns ON for 7 seconds and turns OFF, then turn ignition switch OFF within 2 seconds after the lamp turns OFF.
   NOTE:
   When in Diagnosis Mode, the air bag warning lamp may illuminate for more than 7 seconds after the ignition switch is turned ON. If this is the case, the ignition switch must still be cycled OFF after 7 seconds.
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.

USER MODE

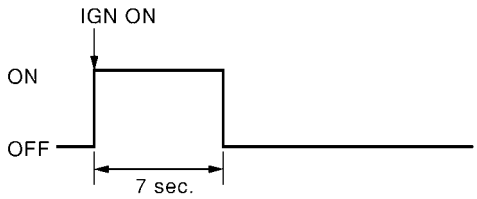
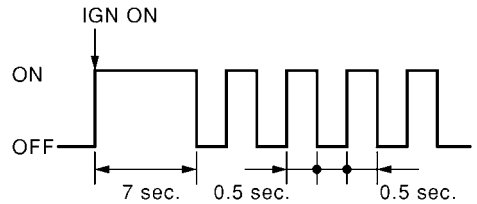
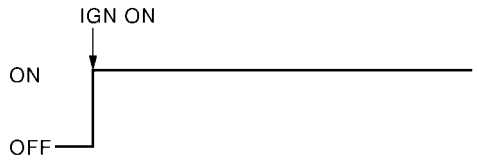
In USER MODE, air bag warning lamp on combination meter turns ON when a malfunction is detected and warns the customer (driver).

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 flashing pattern (User Mode)

Warning lamp	SRS condition	Reference item
 SHIA0011E	• No malfunction is detected. • No further action is necessary.	—
 SHIA0012E	The system is malfunctioning and needs to be repaired.	Refer to SRC-15, "Trouble Diagnosis with CONSULT" or SRC-13, "On Board Diagnosis Function".
 SHIA0013E	• Air bag is deployed. • Seat belt pre-tensioner is deployed.	Refer to Frontal collision: SR-5, "FOR FRONTAL COLLISION : When SRS is activated in a collision", SR-6, "FOR FRONTAL COLLISION : When SRS is not activated in a collision" or Side and rollover collision: SR-7, "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision", SR-9, "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision".
	• Air bag diagnosis sensor unit is malfunctioning. • Air bag power supply circuit is malfunctioning. • SRS air bag warning lamp circuit is malfunctioning.	Refer to SRC-120, "AIR BAG Warning Lamp Does Not Turn Off".
 SHIA0014E	• Air bag diagnosis sensor unit is malfunctioning. • Air bag warning lamp circuit is malfunctioning.	Refer to SRC-119, "AIR BAG Warning Lamp Does Not Turn On".

DIAGNOSIS MODE

NOTE:

Diagnosis Mode can not be entered if a malfunction is not detected in User Mode.

1. Turn ignition switch ON.
2. After AIR BAG warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

3. Wait more than 3 seconds.
4. Repeat steps 1 to 3 two more times (3 times total).
5. Turn ignition switch ON.

SRS is now in Diagnosis Mode. Refer to SRC-19, "Flash Code Index".

Trouble Diagnosis with CONSULT

INFOID:0000000014626076

1. Connect CONSULT.
2. DTC is displayed on “Self Diagnostic Result”.

NOTE:
If a malfunction is not detected on “Self Diagnostic Result [CURRENT]”, but a malfunction is detected during SRS Operation Check, the following cases may exist:

- “Self Diagnostic Result [PAST]” memory might not be erased. Refer to SRC-13, "On Board Diagnosis Function".
- SRS system malfunctions intermittently. Refer to SRC-42, "Inspection Procedure".

DIAGNOSIS MODE

1. Connect CONSULT.
2. Confirm that zero point reset of OCS is complete.
3. If no DTCs are detected on “Self Diagnostic Result [CURRENT]”, repair of SRS is completed. Go to step 4.
   If any DTCs are detected on “Self Diagnostic Result [CURRENT]”, the malfunction has not been repaired completely or another malfunction is being detected. Perform SRS Operation Check again. Refer to SRC-13, "On Board Diagnosis Function".
4. Touch “ERASE”.
   NOTE:
   Touching “ERASE” will clear the SRS memory of the malfunction (“Self Diagnostic Result [PAST]”). If “Self Diagnostic Result [PAST]” is not erased, User Mode may show the previous system malfunction even if the malfunction has been repaired completely.
5. Check that no malfunction is detected in “Self Diagnostic Result [PAST]”.
6. Exit Diagnosis Mode and disconnect the CONSULT.
7. Perform SRS Operation Check. Refer to SRC-13, "On Board Diagnosis Function".

SRS HISTORY CHECK

1. Check repair history of the SRS. If no repairs have been made, perform SRC-13, "On Board Diagnosis Function". If repairs have been made, GO TO step 2.
2. Erase ”Self Diagnostic Result [PAST]” after repair. Refer to SRC-13, "On Board Diagnosis Function".

CONSULT Function (AIR BAG)

INFOID:0000000014626077

CONSULT can display each diagnostic item using the diagnostic test modes shown following.

Diagnostic Test Mode	Diagnostic Item	Description
Self Diagnostic Result	SELF DIAGNOSTIC RESULT [CURRENT]	A current “Self Diagnostic Result” (also indicated by the number of warning lamp flashes in the Diagnosis mode) is displayed on the CONSULT screen in real time. This refers to a malfunctioning part requiring repairs.
Data Monitor	DATA MONITOR	Displays air bag diagnosis sensor unit input/output data in real time.
ECU Identification	ECU DISCRIMINATED NO.	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 Diagnostic Record	TROUBLE DIAG RECORD [PAST]	With TROUBLE DIAG RECORD, “Self Diagnostic Result” previously erased by a reset operation can be displayed on the CONSULT screen.

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:0000000015255369

DTC	Diagnostic item	Reference page
U1000–01	CAN COMM CIRCUIT	SRC-117, "Description"
U1010–49	CONTROL UNIT (CAN)	SRC-118, "Description"
B0001–00	DRIVER AIRBAG MODULE [SHORT]	SRC-43, "DTC Logic"
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 [SHORT]	SRC-43, "DTC Logic"
B0002–11	DRIVER AIRBAG MODULE [GND-SHORT]	
B0002–12	DRIVER AIRBAG MODULE [VB-SHORT]	
B0002–13	DRIVER AIRBAG MODULE [OPEN]	
B0002–1A	DRIVER AIRBAG MODULE [SHORT]	
B0010–11	ASSIST A/B MODULE [GND-SHORT]	SRC-47, "DTC Logic"
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]	SRC-47, "DTC Logic"
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]	
B0020–11	SIDE A/B MODULE LH [GND-SHORT]	SRC-50, "Description"
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]	
B0021–11	CURTAIN A/B MODULE LH [GND-SHORT]	SRC-53, "DTC Logic"
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]	
B0028–11	SIDE A/B MODULE RH [GND-SHORT]	SRC-56, "Description"
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]	
B0029–11	CURTAIN A/B MODULE RH [GND-SHORT]	SRC-59, "DTC Logic"
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]	

DTC	Diagnostic item	Reference page
B0092–23	C-PILLAR SAT SENS LH [LOWER LIMIT ERR]	SRC-62, "Description"
B0092–24	C-PILLAR SATSENS LH [UPPER LIMIT ERR]	
B0092–25	C-PILLAR SAT SENS LH [SELF-DIAG ERR]	
B0092–28	C-PILLAR SAT SENS LH [OFFSET ERR]	
B0092–81	C-PILLAR SAT SENS LH [COMM ERR]	
B0092–86	C-PILLAR SAT SENS LH [UNMATCH]	
B0092–88	C-PILLAR SAT SENS LH [OPEN]	
B0092–93	C-PILLAR SAT SENS LH [RESET]	
B0093–23	DOOR SATEL SENS LH [LOWER LIMIT ERR]	SRC-67, "DTC Logic"
B0093–24	DOOR SATEL SENS LH [UPPER LIMIT ERR]	
B0093–25	DOOR SATEL SENS LH [SELF-DIAG ERR]	
B0093–28	DOOR SATEL SENS LH [OFFSET ERR]	
B0093–81	DOOR SATEL SENS LH [COMM ERR]	
B0093–86	DOOR SATEL SENS LH [UNMATCH]	
B0093–88	DOOR SATEL SENS LH [OPEN]	
B0093–93	DOOR SATEL SENS LH [RESET]	
B0094–23	CRASH ZONE SENS [LOWER LIMIT ERR]	SRC-70, "DTC Logic"
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]	
B0097–23	C-PILLAR SAT SENS RH [LOWER LIMIT ERR]	SRC-73, "Description"
B0097–24	C-PILLAR SATSENS RH [UPPER LIMIT ERR]	
B0097–25	C-PILLAR SAT SENS RH [SELF-DIAG ERR]	
B0097–28	C-PILLAR SAT SENS RH [OFFSET ERR]	
B0097–81	C-PILLAR SAT SENS RH [COMM ERR]	
B0097–86	C-PILLAR SAT SENS RH [UNMATCH]	
B0097–88	C-PILLAR SAT SENS RH [OPEN]	
B0097–93	C-PILLAR SAT SENS RH [RESET]	
B0098–23	DOOR SATEL SENS RH [LOWER LIMIT ERR]	SRC-77, "DTC Logic"
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]	
B00A0–00	OCCUPANT SENS [ABNORMAL VOLTAGE]	SRC-81, "Description"
B00A0–02	OCCUPANT SENS [UNIT MALFUNC]	
B00A0–09	OCCUPANT SENS [UNIT MALFUNC]	
B00A0–04	OCCUPANT SENS C/U [UNIT MALFUNC]	SRC-81, "Description"

DTC	Diagnostic item	Reference page
B00A0–83	OCCUPANT SENS C/U [COMM ERR]	SRC-81, "Description"
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]	SRC-81, "Description"
B00D5–04	PASS A/B INDCTR CKT [UNIT MALFUNC]	SRC-88, "DTC Logic"
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]	
B1430–09	PRE-TEN FRONT LH [SHORT]	SRC-105, "DTC Logic"
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]	
B1431–11	PRE-TEN FRONT RH [GND-SHORT]	SRC-109, "DTC Logic"
B1431–12	PRE-TEN FRONT RH [VB-SHORT]	
B1431–13	PRE-TEN FRONT RH [OPEN]	
B1431–1A	PRE-TEN FRONT RH [SHORT]	
B142A–16	IGNITION VOLTAGE [VB-LOW]	SRC-112, "Description"
B142A–17	IGNITION VOLTAGE [VB-HIGH]	
B1400–00	CONTROL UNIT [UNIT MALFUNC]	SRC-91, "DTC Description"
B1401–00		
B1402–00		
B1403–00		
B1404–00		
B1405–00		
B1406–00		SRC-93, "DTC Description"
B1407–00		
B1408–00		
B1409–00		
B1410–00		
B1411–00		SRC-95, "DTC Description"
B1412–00		
B1413–00		
B1414–00		
B1415–00		
B1416–00		SRC-97, "DTC Description"
B1417–00		
B1418–00		
B1419–00		
B1420–00		

DTC	Diagnostic item	Reference page
B1421–00	FRONTAL COLLISION	SRC-115, "Description"
B1422–00	SIDE COLLISION	
B1423–00	ROLLOVER DETECTION	
B1425–00	REAR COLLISION	

Flash Code Index

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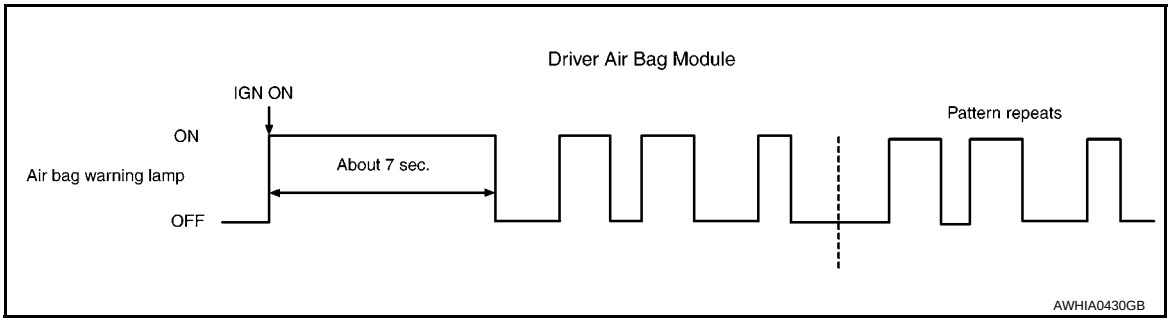
WARNING LAMP FLASH CODE CHART

How to read flash codes

1. Put the vehicle in Diagnosis Mode. Refer to SRC-13, "On Board Diagnosis Function".
2. All codes are followed by a seven second “holding” flash.
3. Identify how many primary flashes are displayed as well as the length of each primary flash.
4. Refer to the tables and examples below to determine which SRS subsystem the code belongs to.
5. Count the short secondary flashes that follow the primary flashes.
6. Match the correct flashing pattern to the malfunctioning component and perform the Diagnosis Procedure.

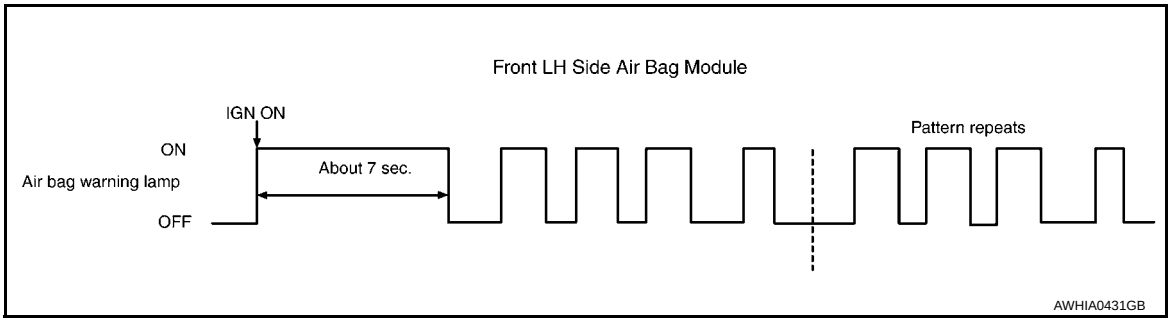
Refer to the illustrations below for an example of each flashing pattern.

Front subsystem



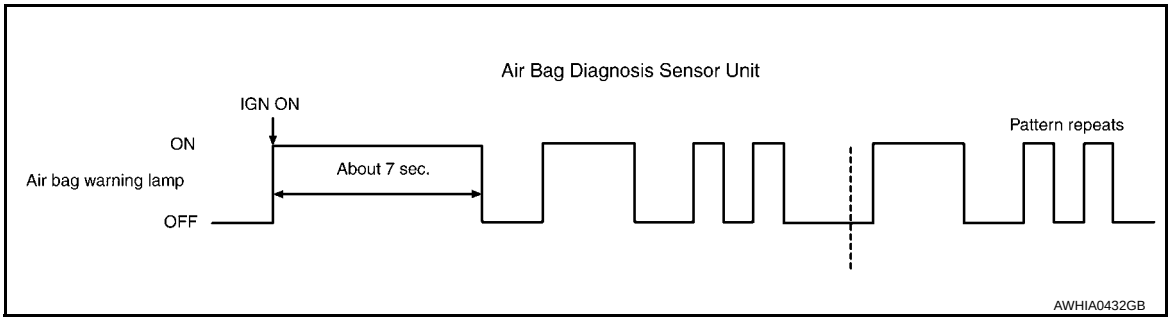
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	1	Driver air bag module	SRC-44, "Diagnosis Procedure"
		2	Passenger air bag module	SRC-48, "Diagnosis Procedure"
		3	Front LH seat belt pre-tensioner (shoulder)	SRC-106, "Diagnosis Procedure"
		4	Front RH seat belt pre-tensioner (shoulder)	SRC-110, "Diagnosis Procedure"
		5	Front LH seat belt pre-tensioner (lap)	SRC-106, "Diagnosis Procedure"
		6	Front RH seat belt pre-tensioner (lap)	SRC-106, "Diagnosis Procedure"

Side subsystem



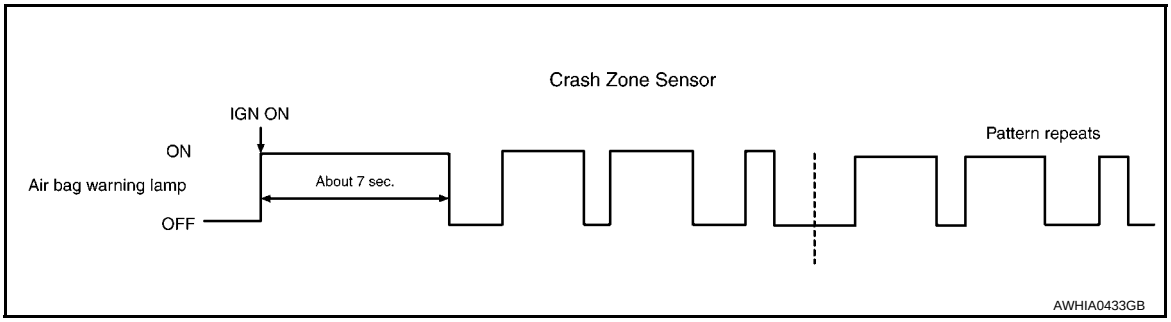
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
3	1.5	1	Front LH side air bag module	SRC-51, "Diagnosis Procedure"
		2	Front RH side air bag module	SRC-57, "Diagnosis Procedure"
		3	Side curtain air bag module LH	SRC-54, "Diagnosis Procedure"
		4	Side curtain air bag module RH	SRC-60, "Diagnosis Procedure"

Air bag subsystem



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	1	Collision detection	SRC-116, "Diagnosis Procedure"
		2	Air bag diagnosis sensor unit	SRC-91, "DTC Description"
		3	Passenger air bag OFF indicator	SRC-89, "Diagnosis Procedure"
		4	Occupant classification system	SRC-82, "Diagnosis Procedure (B00A0-00, -02 or -09)", SRC-83, "Diagnosis Procedure (B00A0-04)", SRC-84, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)", SRC-85, "Diagnosis Procedure (B00A0-93)"

Sensor subsystem



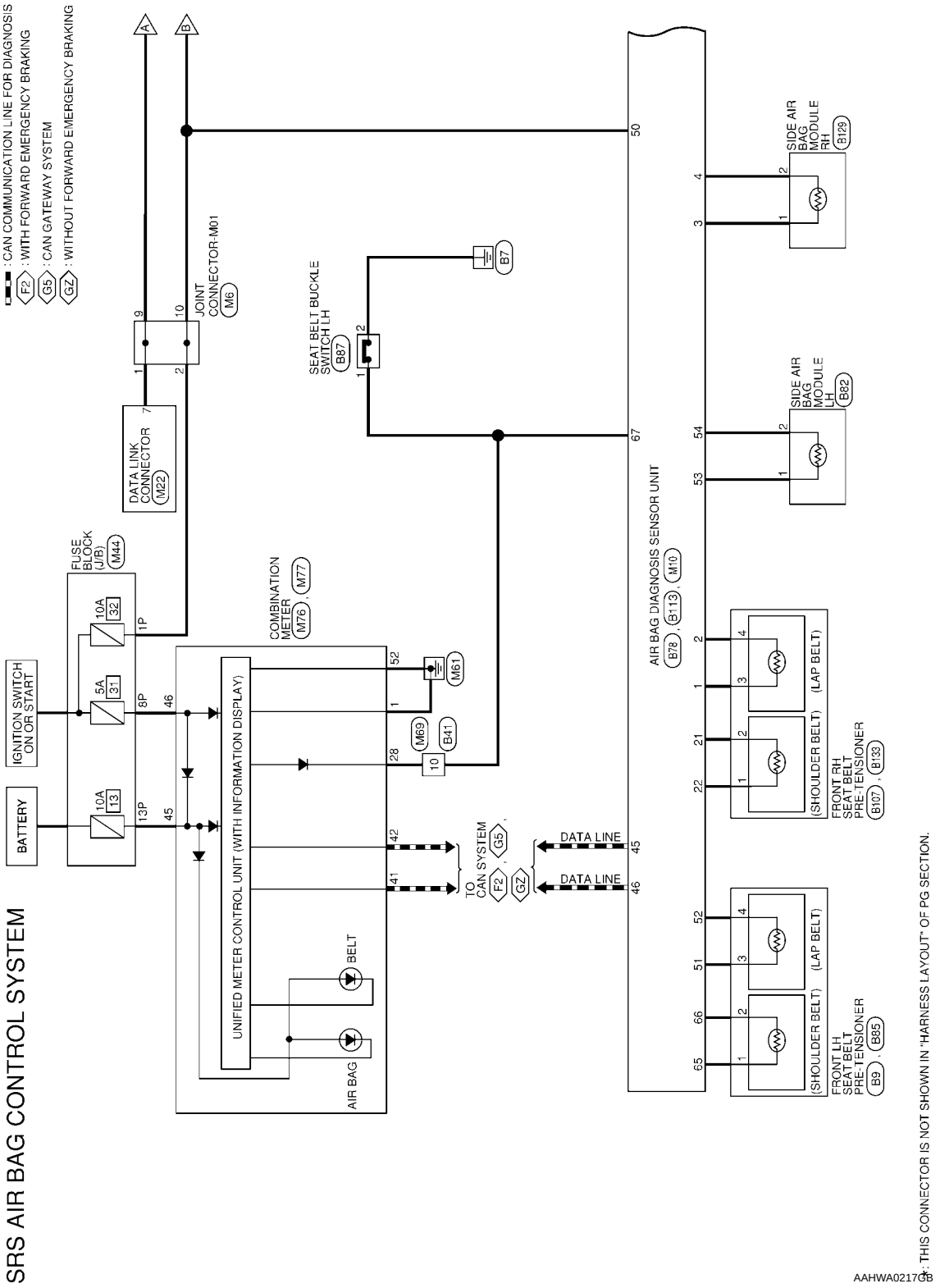
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	1	Crash zone sensor	SRC-71, "Diagnosis Procedure"
		4	Rear side satellite sensor LH	SRC-64, "Diagnosis Procedure"
		5	Rear side satellite sensor RH	SRC-75, "Diagnosis Procedure"
		6	Front door satellite sensor LH	SRC-68, "Diagnosis Procedure"
		7	Front door satellite sensor RH	SRC-79, "Diagnosis Procedure"
		8	Seat belt buckle switch LH	SRC-100, "Diagnosis Procedure"
		9	Seat belt buckle switch RH	SRC-103, "Diagnosis Procedure"

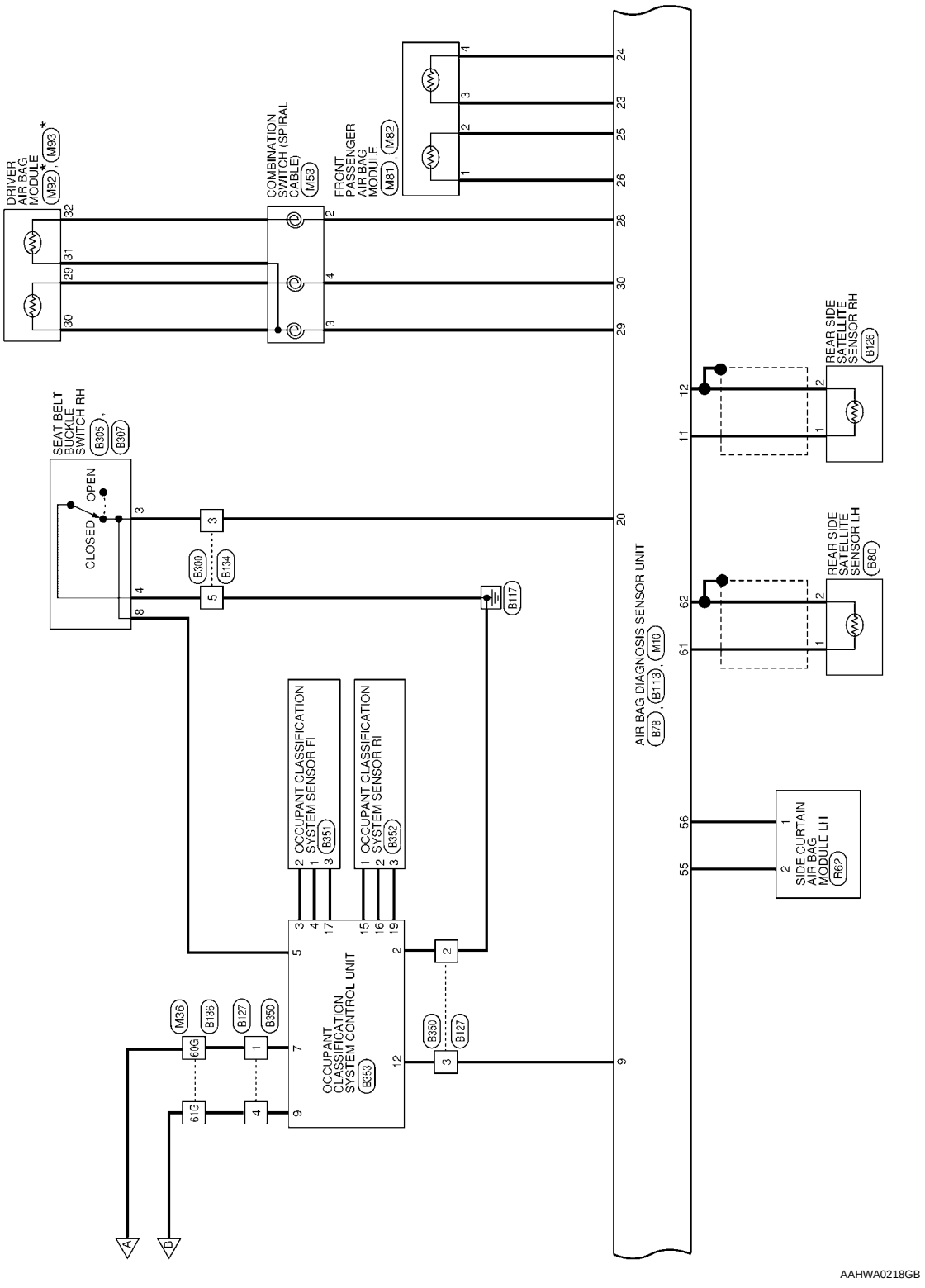
WIRING DIAGRAM

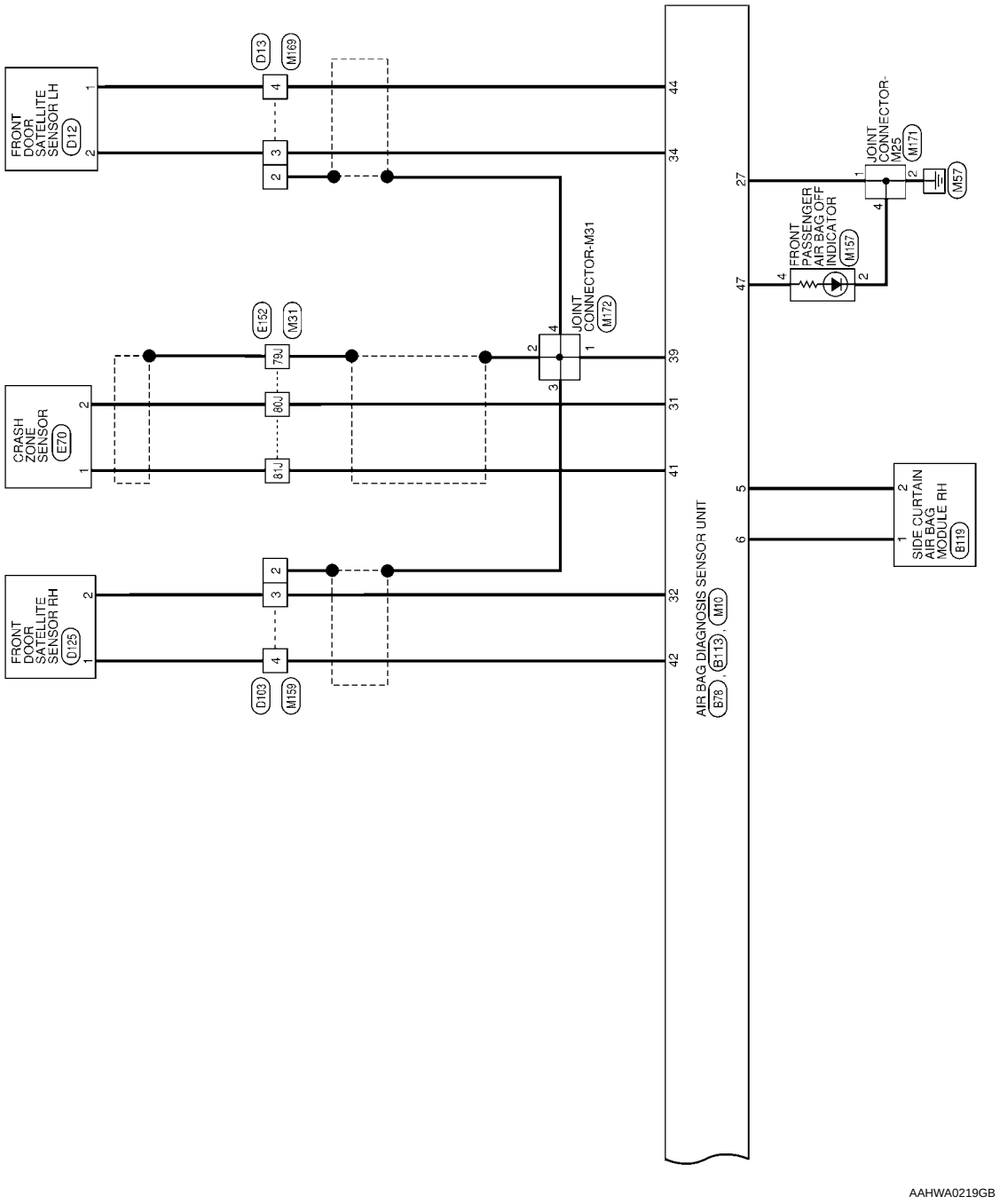
SRS AIR BAG SYSTEM

Wiring Diagram

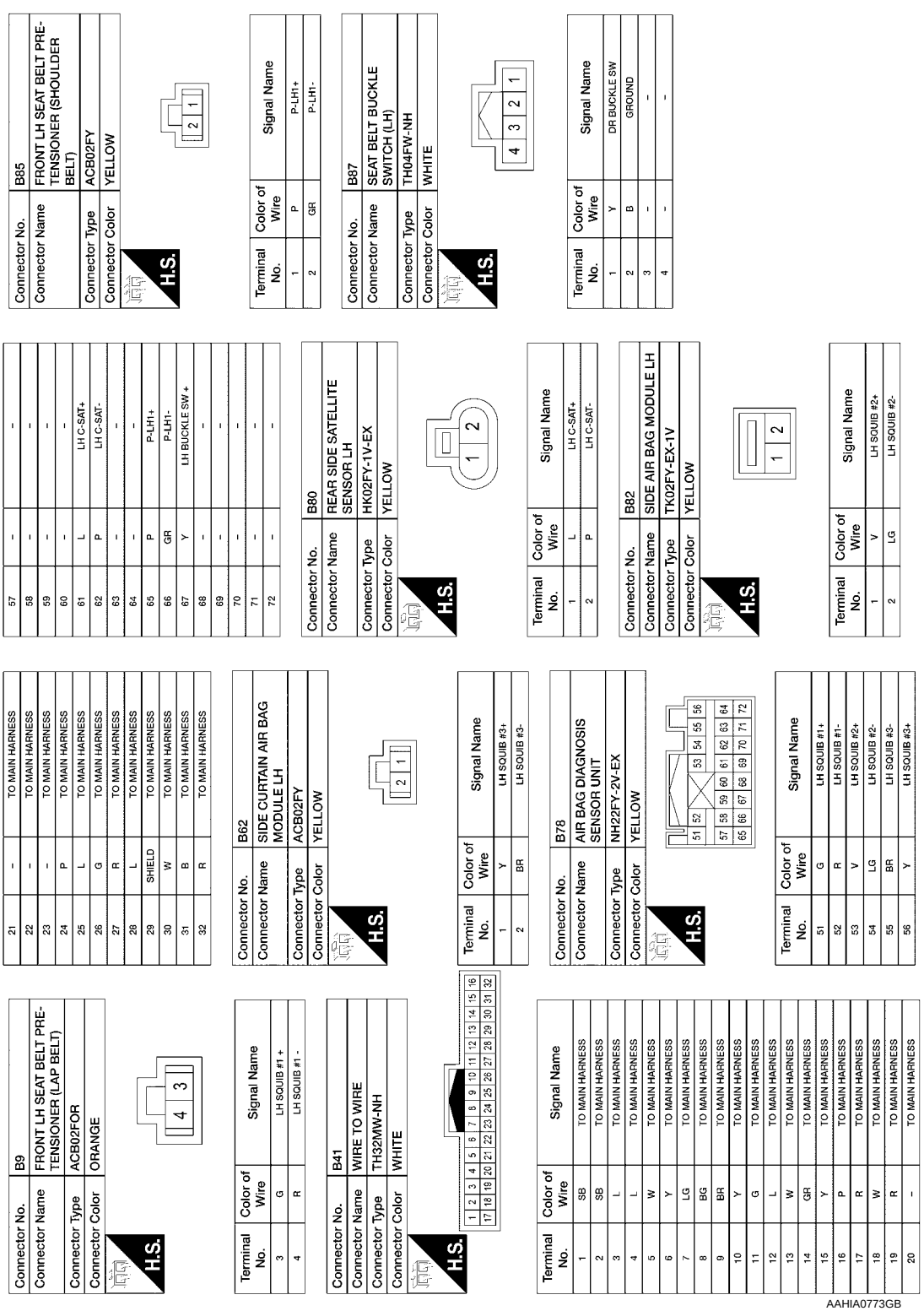
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DRIVER AIR BAG MODULE (M92), * (M93)
COMBINATION SWITCH (SPIRAL CABLE) (M53)
FRONT PASSENGER AIR BAG MODULE (M81) (M82)
SEAT BELT BUCKLE SWITCH RH (B305), (B307)
CLOSED
OPEN
B300
B134
B117
REAR SIDE SATELLITE SENSOR RH (B126)
REAR SIDE SATELLITE SENSOR LH (B80)
AIR BAG DIAGNOSIS SENSOR UNIT (B78), (B113), (M10)
SIDE CURTAIN AIR BAG MODULE LH (B62)
OCCUPANT CLASSIFICATION SYSTEM SENSOR FI (B351)
OCCUPANT CLASSIFICATION SYSTEM SENSOR RI (B352)
OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT (B353)
M36
B136
B127
B350
60G
61G
A
B
AAHWA0218GB


FRONT DOOR SATELLITE SENSOR LH
D12
D13
M169
FRONT DOOR SATELLITE SENSOR RH
D125
D103
M159
CRASH ZONE SENSOR
E70
E152
M31
79J
80J
81J
JOINT CONNECTOR-M31
M172
AIR BAG DIAGNOSIS SENSOR UNIT
B78, B113, M10
JOINT CONNECTOR-M25
M171
M57
FRONT PASSENGER AIR BAG OFF INDICATOR
M157
SIDE CURTAIN AIR BAG MODULE RH
B119
AAHWA0219GB

SRS AIR BAG CONTROL SYSTEM CONNECTORS



AAHIA0773GB

SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	B107
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER (LAP BELT)
Connector Type	ABC02FOR
Connector Color	ORANGE

H.S.



Terminal No.	Color of Wire	Signal Name
3	Y	–
4	L	–

Connector No.	B113
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH22FY-1V-EX
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	Y	RH SQUIB #1+
2	L	RH SQUIB #1-
3	V	RH SQUIB #2+
4	P	RH SQUIB #2-
5	B	RH SQUIB #3-
6	W	RH SQUIB #3+
7	–	–
8	–	–
9	BG	ODS
10	–	–
11	BR	RH C-SAT+
12	Y	RH C-SAT-
13	–	–
14	–	–
15	–	–
16	–	–
17	–	–
18	–	–
19	–	–

20	SB	RH BUCKLE SW +
21	V	P-RH1-
22	LG	P-RH1+

Connector No.	B119
Connector Name	SIDE CURTAIN AIR BAG MODULE RH
Connector Type	ACB02FY
Connector Color	YELLOW

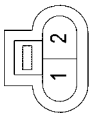
H.S.



Terminal No.	Color of Wire	Signal Name
1	W	RH SQUIB #3+
2	B	RH SQUIB #3-

Connector No.	B126
Connector Name	REAR SIDE SATELLITE SENSOR RH
Connector Type	HK02FY-1V-EX
Connector Color	YELLOW

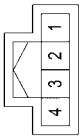
H.S.



Terminal No.	Color of Wire	Signal Name
1	BR	RH C-SAT+
2	Y	RH C-SAT+

Connector No.	B127
Connector Name	WIRE TO WIRE
Connector Type	TH04FW-NH
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	GR	TO BODY HARNESS
2	B	TO BODY HARNESS
3	BG	TO BODY HARNESS
4	V	TO BODY HARNESS

Connector No.	B129
Connector Name	SIDE AIR BAG MOUDLE RH
Connector Type	TK02FY-EX-1V
Connector Color	YELLOW

H.S.



Terminal No.	Color of Wire	Signal Name
1	V	RH SQUIB #2 +
2	P	RH SQUIB #2 -

Connector No.	B133
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER (SHOULDER BELT)
Connector Type	ACB02FY
Connector Color	YELLOW

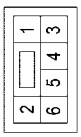
H.S.



Terminal No.	Color of Wire	Signal Name
1	LG	P-RH1+
2	V	P-RH1-

Connector No.	B134
Connector Name	WIRE TO WIRE
Connector Type	NS06FW-CS
Connector Color	WHITE

H.S.



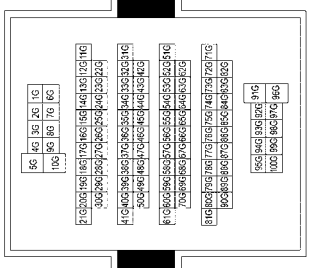
Terminal No.	Color of Wire	Signal Name
1	LA/BR	TO FRONT SEAT RH HARNESS
2	LA/B	TO FRONT SEAT RH HARNESS
3	SB	TO FRONT SEAT RH HARNESS
4	LA/R	TO FRONT SEAT RH HARNESS
5	B	TO FRONT SEAT RH HARNESS
6	LA/L	TO FRONT SEAT RH HARNESS

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SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	B136
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4
Connector Color	WHITE

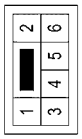
H.S.



Terminal No.	Color of Wire	Signal Name
1G	LA/GR	TO MAIN HARNESS
2G	LA/P	TO MAIN HARNESS
3G	Y	TO MAIN HARNESS
4G	L	TO MAIN HARNESS
5G	G	TO MAIN HARNESS
6G	LA/BR	TO MAIN HARNESS
7G	BR	TO MAIN HARNESS
8G	LA/L	TO MAIN HARNESS
9G	LA/R	TO MAIN HARNESS
10G	R	TO MAIN HARNESS
11G	G	TO MAIN HARNESS
12G	Y	TO MAIN HARNESS
13G	BR	TO MAIN HARNESS
14G	–	TO MAIN HARNESS
15G	Y	TO MAIN HARNESS
16G	–	TO MAIN HARNESS
17G	–	TO MAIN HARNESS
18G	R	TO MAIN HARNESS
19G	R	TO MAIN HARNESS
20G	W	TO MAIN HARNESS
21G	P	TO MAIN HARNESS
22G	P	TO MAIN HARNESS
23G	L	TO MAIN HARNESS
24G	W	TO MAIN HARNESS
25G	L	TO MAIN HARNESS
26G	–	TO MAIN HARNESS
27G	–	TO MAIN HARNESS
28G	–	TO MAIN HARNESS
29G	SB	TO MAIN HARNESS
30G	–	TO MAIN HARNESS
31G	–	TO MAIN HARNESS
32G	–	TO MAIN HARNESS
33G	–	TO MAIN HARNESS
34G	V	TO MAIN HARNESS
35G	BR	TO MAIN HARNESS
36G	SHIELD	TO MAIN HARNESS
37G	LG	TO MAIN HARNESS
38G	V	TO MAIN HARNESS
39G	SHIELD	TO MAIN HARNESS
40G	G	TO MAIN HARNESS
41G	R	TO MAIN HARNESS
42G	–	TO MAIN HARNESS
43G	–	TO MAIN HARNESS
44G	BG	TO MAIN HARNESS
45G	SHIELD	TO MAIN HARNESS
46G	W	TO MAIN HARNESS
47G	R	TO MAIN HARNESS
48G	SHIELD	TO MAIN HARNESS
49G	L	TO MAIN HARNESS
50G	Y	TO MAIN HARNESS
51G	–	TO MAIN HARNESS
52G	–	TO MAIN HARNESS
53G	–	TO MAIN HARNESS
54G	–	TO MAIN HARNESS
55G	–	TO MAIN HARNESS
56G	–	TO MAIN HARNESS
57G	–	TO MAIN HARNESS
58G	–	TO MAIN HARNESS
59G	–	TO MAIN HARNESS
60G	GR	TO MAIN HARNESS
61G	V	TO MAIN HARNESS
62G	–	TO MAIN HARNESS
63G	–	TO MAIN HARNESS
64G	–	TO MAIN HARNESS
65G	–	TO MAIN HARNESS
66G	–	TO MAIN HARNESS
67G	–	TO MAIN HARNESS
68G	–	TO MAIN HARNESS
69G	–	TO MAIN HARNESS
70G	–	TO MAIN HARNESS
71G	–	TO MAIN HARNESS
72G	–	TO MAIN HARNESS
73G	–	TO MAIN HARNESS
74G	–	TO MAIN HARNESS
75G	–	TO MAIN HARNESS
76G	–	TO MAIN HARNESS
77G	–	TO MAIN HARNESS
78G	LA/R	TO MAIN HARNESS
79G	LA/V	TO MAIN HARNESS
80G	LA/B	TO MAIN HARNESS
81G	LA/L	TO MAIN HARNESS
82G	–	TO MAIN HARNESS
83G	–	TO MAIN HARNESS
84G	–	TO MAIN HARNESS
85G	–	TO MAIN HARNESS
86G	–	TO MAIN HARNESS
87G	–	TO MAIN HARNESS
88G	–	TO MAIN HARNESS
89G	–	TO MAIN HARNESS
90G	–	TO MAIN HARNESS
91G	R	TO MAIN HARNESS
92G	BR	TO MAIN HARNESS
93G	W	TO MAIN HARNESS
94G	LA/V	TO MAIN HARNESS
95G	V	TO MAIN HARNESS
96G	G	TO MAIN HARNESS
97G	P	TO MAIN HARNESS
98G	GR	TO MAIN HARNESS
99G	LA/Y	TO MAIN HARNESS
100G	Y	TO MAIN HARNESS

Connector No.	B300
Connector Name	WIRE TO WIRE
Connector Type	NS06MW-CS
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	R	TO BODY NO. 2 HARNESS
2	B	TO BODY NO. 2 HARNESS
3	BR	TO BODY NO. 2 HARNESS
4	G	TO BODY NO. 2 HARNESS
5	P	TO BODY NO. 2 HARNESS
6	W	TO BODY NO. 2 HARNESS

Connector No.	B305
Connector Name	SEAT BELT BUCKLE SWITCH RH
Connector Type	TH04FW-NH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	BR	–
2	P	–
3	P	GROUND
4	BR	BUCKLE SW FR RH

Connector No.	B307
Connector Name	SEAT BELT BUCKLE SWITCH RH
Connector Type	TH04MW-NH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
5	–	–
6	–	–
7	–	–
8	BR	BUCKLE SW FR RH

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SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	B350
Connector Name	WIRE TO WIRE
Connector Type	TH04MW-NH
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	GR	TO BODY NO. 2 HARNESS
2	B	TO BODY NO. 2 HARNESS
3	BR/W	TO BODY NO. 2 HARNESS
4	W	TO BODY NO. 2 HARNESS

Connector No.	B351
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR FI
Connector Type	7287-7502-30
Connector Color	BLACK

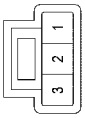
H.S.



Terminal No.	Color of Wire	Signal Name
1	R/B	LOAD SENSOR FRONT INNER GND
2	LG	LOAD SENSOR FRONT INNER SIGNAL
3	R	LOAD SENSOR FRONT INNER VCC

Connector No.	B352
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR RI
Connector Type	7287-7502-30
Connector Color	BLACK

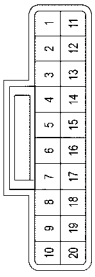
H.S.



Terminal No.	Color of Wire	Signal Name
1	W/L	LOAD SENSOR REAR INNER GND
2	SB	LOAD SENSOR REAR INNER SIGNAL
3	Y	LOAD SENSOR REAR INNER VCC

Connector No.	B353
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	HU16FB
Connector Color	BLACK

H.S.

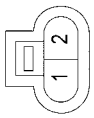


Terminal No.	Color of Wire	Signal Name
1	–	–
2	B	GND
3	LG	LOAD SENSOR FRONT INNER SIGNAL
4	R/B	LOAD SENSOR FRONT INNER GND
5	BR	BUCKLE SW FR RH
6	–	–
7	GR	K-LINE
8	–	–
9	W	IGN
10	–	–
11	–	–
12	BR/W	ACU COMM
13	–	–
14	–	–

15	W/L	LOAD SENSOR REAR INNER GND
16	SB	LOAD SENSOR REAR INNER SIGNAL
17	R	LOAD SENSOR FRONT INNER VCC
18	–	–
19	Y	LOAD SENSOR REAR INNER VCC
20	–	–

Connector No.	D12
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Type	HK02FY-1V-EX
Connector Color	YELLOW

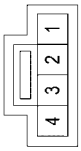
H.S.



Terminal No.	Color of Wire	Signal Name
1	G	LH DOOR-SAT+
2	R	LH DOOR-SAT-

Connector No.	D13
Connector Name	WIRE TO WIRE
Connector Type	TK04FY
Connector Color	YELLOW

H.S.



Terminal No.	Color of Wire	Signal Name
1	–	TO MAIN HARNESS
2	SHIELD	TO MAIN HARNESS
3	R	TO MAIN HARNESS
4	G	TO MAIN HARNESS

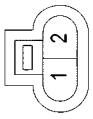
Connector No.	D103
Connector Name	WIRE TO WIRE
Connector Type	TK04FY
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	–	TO MAIN HARNESS
2	SHIELD	TO MAIN HARNESS
3	BR	TO MAIN HARNESS
4	GR	TO MAIN HARNESS

Connector No.	D125
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Type	HK02FY-1V-EX
Connector Color	YELLOW

H.S.



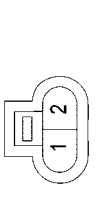
Terminal No.	Color of Wire	Signal Name
1	GR	RH DOOR-SAT+
2	BR	RH DOOR-SAT-

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SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	E70
Connector Name	CRASH ZONE SENSOR
Connector Type	HK02FY-1V-EX
Connector Color	YELLOW

H.S.



Terminal No.	Color of Wire	Signal Name
1	W	ECZS+
2	B	ECZS-

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4
Connector Color	WHITE

H.S.

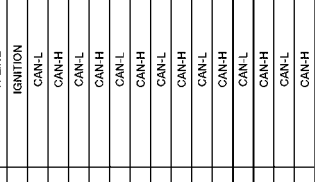
Terminal No.	Color of Wire	Signal Name
1J	–	TO MAIN HARNESS
2J	Y	TO MAIN HARNESS
3J	–	TO MAIN HARNESS
4J	–	TO MAIN HARNESS
5J	–	TO MAIN HARNESS
6J	–	TO MAIN HARNESS
7J	–	TO MAIN HARNESS
8J	–	TO MAIN HARNESS
9J	BR	TO MAIN HARNESS

Terminal No.	Color of Wire	Signal Name
10J	–	TO MAIN HARNESS
11J	–	TO MAIN HARNESS
12J	–	TO MAIN HARNESS
13J	–	TO MAIN HARNESS
14J	–	TO MAIN HARNESS
15J	–	TO MAIN HARNESS
16J	–	TO MAIN HARNESS
17J	–	TO MAIN HARNESS
18J	–	TO MAIN HARNESS
19J	–	TO MAIN HARNESS
20J	–	TO MAIN HARNESS
21J	GR	TO MAIN HARNESS
22J	SHIELD	TO MAIN HARNESS
23J	LG	TO MAIN HARNESS
24J	V	TO MAIN HARNESS
25J	L	TO MAIN HARNESS
26J	BR	TO MAIN HARNESS
27J	G	TO MAIN HARNESS
28J	R	TO MAIN HARNESS
29J	L	TO MAIN HARNESS
30J	V	TO MAIN HARNESS
31J	–	TO MAIN HARNESS
32J	–	TO MAIN HARNESS
33J	R	TO MAIN HARNESS
34J	L	TO MAIN HARNESS
35J	BG	TO MAIN HARNESS
36J	LG	TO MAIN HARNESS
37J	GR	TO MAIN HARNESS
38J	BR	TO MAIN HARNESS
39J	–	TO MAIN HARNESS
40J	–	TO MAIN HARNESS
41J	G	TO MAIN HARNESS
42J	W	TO MAIN HARNESS
43J	L	TO MAIN HARNESS
44J	B	TO MAIN HARNESS
45J	SB	TO MAIN HARNESS
46J	BR	TO MAIN HARNESS
47J	W	TO MAIN HARNESS
48J	W	TO MAIN HARNESS
49J	L	TO MAIN HARNESS
50J	P	TO MAIN HARNESS
51J	W	TO MAIN HARNESS
52J	R	TO MAIN HARNESS
53J	SB	TO MAIN HARNESS
54J	LG	TO MAIN HARNESS
55J	W	TO MAIN HARNESS
56J	BG	TO MAIN HARNESS
57J	R	TO MAIN HARNESS
58J	V	TO MAIN HARNESS
59J	BR	TO MAIN HARNESS
60J	P	TO MAIN HARNESS
61J	L	TO MAIN HARNESS
62J	P	TO MAIN HARNESS

Terminal No.	Color of Wire	Signal Name
63J	L	TO MAIN HARNESS
64J	R	TO MAIN HARNESS
65J	L	TO MAIN HARNESS
66J	BG	TO MAIN HARNESS
67J	–	TO MAIN HARNESS
68J	–	TO MAIN HARNESS
69J	G	TO MAIN HARNESS
70J	L	TO MAIN HARNESS
71J	–	TO MAIN HARNESS
72J	–	TO MAIN HARNESS
73J	–	TO MAIN HARNESS
74J	–	TO MAIN HARNESS
75J	–	TO MAIN HARNESS
76J	–	TO MAIN HARNESS
77J	–	TO MAIN HARNESS
78J	–	TO MAIN HARNESS
79J	SHIELD	TO MAIN HARNESS
80J	B	TO MAIN HARNESS
81J	W	TO MAIN HARNESS
82J	–	TO MAIN HARNESS
83J	–	TO MAIN HARNESS
84J	–	TO MAIN HARNESS
85J	–	TO MAIN HARNESS
86J	–	TO MAIN HARNESS
87J	–	TO MAIN HARNESS
88J	–	TO MAIN HARNESS
89J	–	TO MAIN HARNESS
90J	–	TO MAIN HARNESS
91J	–	TO MAIN HARNESS
92J	LG	TO MAIN HARNESS
93J	L	TO MAIN HARNESS
94J	L	TO MAIN HARNESS
95J	BR	TO MAIN HARNESS
96J	–	TO MAIN HARNESS
97J	GR	TO MAIN HARNESS
98J	P	TO MAIN HARNESS
99J	W	TO MAIN HARNESS
100J	Y	TO MAIN HARNESS

Connector No.	M6
Connector Name	JOINT CONNECTOR-M01
Connector Type	NH24FGY-J
Connector Color	GRAY

H.S.



Terminal No.	Color of Wire	Signal Name
1	GR	K-LINE
2	R	IGNITION
3	P	CAN-L
4	L	CAN-H
5	–	–
6	–	–
7	P	CAN-L
8	L	CAN-H
9	GR	K-LINE
10	R	IGNITION
11	P	CAN-L
12	L	CAN-H
13	P	CAN-L
14	L	CAN-H
15	P	CAN-L
16	L	CAN-H
17	P	CAN-L
18	L	CAN-H
19	P	CAN-L
20	L	CAN-H
21	P	CAN-L
22	L	CAN-H
23	P	CAN-L
24	L	CAN-H

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SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M10
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH28FY-EX
Connector Color	YELLOW

H.S.

23	24	25	26		27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

Terminal No.	Color of Wire	Signal Name
23	L	AS2+
24	BG	AS2-
25	LG	AS1-
26	SB	AS1+
27	B	GND
28	V	DR2+
29	Y	DR1- & DR2-
30	G	DR1+
31	B	ECZS-
32	BR	RH DOOR-SAT-
33	-	-
34	R	LH DOOR-SAT-
35	-	-
36	-	-
37	-	-
38	-	-
39	B	GND
40	-	-
41	W	ECZS+
42	GR	RH DOOR-SAT+
43	-	-
44	G	LH DOOR-SAT+
45	P	CAN-L
46	L	CAN-H
47	GR	TELLTALE LAMP OFF
48	-	-
49	-	-
50	R	IGN

Connector No.	M22
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW
Connector Color	WHITE

H.S.

9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8

Terminal No.	Color of Wire	Signal Name
1	-	-
2	-	-
3	-	-
4	B	GROUND
5	B	GROUND
6	L	CAN-H
7	GR	K-LINE
8	Y	IGNITION
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	P	CAN-L
15	-	-
16	W	BATTERY

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SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1J	–	TO ENGINE ROOM HARNESS
2J	R	TO ENGINE ROOM HARNESS
3J	–	TO ENGINE ROOM HARNESS
4J	–	TO ENGINE ROOM HARNESS
5J	–	TO ENGINE ROOM HARNESS
6J	–	TO ENGINE ROOM HARNESS
7J	–	TO ENGINE ROOM HARNESS
8J	–	TO ENGINE ROOM HARNESS
9J	W	TO ENGINE ROOM HARNESS
10J	–	TO ENGINE ROOM HARNESS
11J	–	TO ENGINE ROOM HARNESS
12J	–	TO ENGINE ROOM HARNESS
13J	–	TO ENGINE ROOM HARNESS
14J	–	TO ENGINE ROOM HARNESS
15J	–	TO ENGINE ROOM HARNESS
16J	–	TO ENGINE ROOM HARNESS
17J	–	TO ENGINE ROOM HARNESS
18J	–	TO ENGINE ROOM HARNESS
19J	–	TO ENGINE ROOM HARNESS
20J	–	TO ENGINE ROOM HARNESS
21J	LA/L	TO ENGINE ROOM HARNESS
22J	SHIELD	TO ENGINE ROOM HARNESS
23J	LG	TO ENGINE ROOM HARNESS
24J	V	TO ENGINE ROOM HARNESS
25J	L	TO ENGINE ROOM HARNESS
26J	BR	TO ENGINE ROOM HARNESS
27J	G	TO ENGINE ROOM HARNESS
28J	Y	TO ENGINE ROOM HARNESS
29J	L	TO ENGINE ROOM HARNESS
30J	V	TO ENGINE ROOM HARNESS
31J	–	TO ENGINE ROOM HARNESS
32J	–	TO ENGINE ROOM HARNESS
33J	R	TO ENGINE ROOM HARNESS
33J	Y	TO ENGINE ROOM HARNESS - (WITH DRIVER ASSISTNACE SYSTEM)
34J	L	TO ENGINE ROOM HARNESS
35J	BG	TO ENGINE ROOM HARNESS
36J	GR	TO ENGINE ROOM HARNESS
37J	Y	TO ENGINE ROOM HARNESS
38J	LA/BR	TO ENGINE ROOM HARNESS
39J	–	TO ENGINE ROOM HARNESS
40J	–	TO ENGINE ROOM HARNESS
41J	LA/R	TO ENGINE ROOM HARNESS
42J	W	TO ENGINE ROOM HARNESS
43J	L	TO ENGINE ROOM HARNESS
44J	B	TO ENGINE ROOM HARNESS
45J	SB	TO ENGINE ROOM HARNESS
46J	BR	TO ENGINE ROOM HARNESS
47J	W	TO ENGINE ROOM HARNESS
48J	R	TO ENGINE ROOM HARNESS
49J	SB	TO ENGINE ROOM HARNESS
50J	GR	TO ENGINE ROOM HARNESS
51J	W	TO ENGINE ROOM HARNESS
52J	R	TO ENGINE ROOM HARNESS
53J	BR	TO ENGINE ROOM HARNESS
54J	LG	TO ENGINE ROOM HARNESS
55J	LA/Y	TO ENGINE ROOM HARNESS
56J	LA/V	TO ENGINE ROOM HARNESS
57J	LA/R	TO ENGINE ROOM HARNESS
58J	W	TO ENGINE ROOM HARNESS
59J	BR	TO ENGINE ROOM HARNESS
60J	P	TO ENGINE ROOM HARNESS
61J	L	TO ENGINE ROOM HARNESS
62J	R	TO ENGINE ROOM HARNESS
63J	L	TO ENGINE ROOM HARNESS
64J	R	TO ENGINE ROOM HARNESS
65J	L	TO ENGINE ROOM HARNESS
66J	BG	TO ENGINE ROOM HARNESS
67J	–	TO ENGINE ROOM HARNESS
68J	–	TO ENGINE ROOM HARNESS
69J	G	TO ENGINE ROOM HARNESS
70J	L	TO ENGINE ROOM HARNESS
71J	–	TO ENGINE ROOM HARNESS
72J	–	TO ENGINE ROOM HARNESS
73J	–	TO ENGINE ROOM HARNESS
74J	–	TO ENGINE ROOM HARNESS
75J	–	TO ENGINE ROOM HARNESS
76J	–	TO ENGINE ROOM HARNESS
77J	–	TO ENGINE ROOM HARNESS
78J	–	TO ENGINE ROOM HARNESS
79J	SHIELD	TO ENGINE ROOM HARNESS
80J	B	TO ENGINE ROOM HARNESS
81J	W	TO ENGINE ROOM HARNESS
82J	–	TO ENGINE ROOM HARNESS
83J	–	TO ENGINE ROOM HARNESS
84J	–	TO ENGINE ROOM HARNESS
85J	–	TO ENGINE ROOM HARNESS
86J	–	TO ENGINE ROOM HARNESS
87J	–	TO ENGINE ROOM HARNESS
88J	–	TO ENGINE ROOM HARNESS
89J	–	TO ENGINE ROOM HARNESS
90J	–	TO ENGINE ROOM HARNESS
91J	–	TO ENGINE ROOM HARNESS
92J	Y	TO ENGINE ROOM HARNESS
93J	G	TO ENGINE ROOM HARNESS
94J	L	TO ENGINE ROOM HARNESS
95J	P	TO ENGINE ROOM HARNESS
96J	–	TO ENGINE ROOM HARNESS
97J	SB	TO ENGINE ROOM HARNESS
98J	P	TO ENGINE ROOM HARNESS
99J	LA/R	TO ENGINE ROOM HARNESS
100J	R	TO ENGINE ROOM HARNESS

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SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M36
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1G	LA/R	TO BODY NO. 2 HARNESS
2G	W	TO BODY NO. 2 HARNESS
3G	Y	TO BODY NO. 2 HARNESS
4G	BG	TO BODY NO. 2 HARNESS
5G	G	TO BODY NO. 2 HARNESS
6G	SB	TO BODY NO. 2 HARNESS
7G	P	TO BODY NO. 2 HARNESS
8G	LA/Y	TO BODY NO. 2 HARNESS
9G	LA/W	TO BODY NO. 2 HARNESS
10G	R	TO BODY NO. 2 HARNESS
11G	G	TO BODY NO. 2 HARNESS
12G	L	TO BODY NO. 2 HARNESS
13G	BR	TO BODY NO. 2 HARNESS
14G	–	TO BODY NO. 2 HARNESS
15G	Y	TO BODY NO. 2 HARNESS
16G	–	TO BODY NO. 2 HARNESS
17G	–	TO BODY NO. 2 HARNESS
18G	R	TO BODY NO. 2 HARNESS
19G	LA/R	TO BODY NO. 2 HARNESS
20G	W	TO BODY NO. 2 HARNESS
21G	BR	TO BODY NO. 2 HARNESS
22G	P	TO BODY NO. 2 HARNESS
23G	L	TO BODY NO. 2 HARNESS
24G	W	TO BODY NO. 2 HARNESS
25G	L	TO BODY NO. 2 HARNESS
26G	–	TO BODY NO. 2 HARNESS
27G	–	TO BODY NO. 2 HARNESS
28G	–	TO BODY NO. 2 HARNESS
29G	–	TO BODY NO. 2 HARNESS
30G	–	TO BODY NO. 2 HARNESS
31G	–	TO BODY NO. 2 HARNESS
32G	–	TO BODY NO. 2 HARNESS
33G	–	TO BODY NO. 2 HARNESS
34G	V	TO BODY NO. 2 HARNESS
35G	BR	TO BODY NO. 2 HARNESS
36G	SHIELD	TO BODY NO. 2 HARNESS
37G	LG	TO BODY NO. 2 HARNESS
38G	V	TO BODY NO. 2 HARNESS
39G	SHIELD	TO BODY NO. 2 HARNESS
40G	G	TO BODY NO. 2 HARNESS
41G	R	TO BODY NO. 2 HARNESS
42G	–	TO BODY NO. 2 HARNESS
43G	–	TO BODY NO. 2 HARNESS
44G	BG	TO BODY NO. 2 HARNESS
45G	SHIELD	TO BODY NO. 2 HARNESS
46G	L	TO BODY NO. 2 HARNESS
47G	Y	TO BODY NO. 2 HARNESS
48G	SHIELD	TO BODY NO. 2 HARNESS
49G	W	TO BODY NO. 2 HARNESS
50G	R	TO BODY NO. 2 HARNESS
51G	–	TO BODY NO. 2 HARNESS
52G	–	TO BODY NO. 2 HARNESS
53G	–	TO BODY NO. 2 HARNESS
54G	–	TO BODY NO. 2 HARNESS
55G	–	TO BODY NO. 2 HARNESS
56G	–	TO BODY NO. 2 HARNESS
57G	–	TO BODY NO. 2 HARNESS
58G	–	TO BODY NO. 2 HARNESS
59G	–	TO BODY NO. 2 HARNESS
60G	GR	TO BODY NO. 2 HARNESS
61G	BR	TO BODY NO. 2 HARNESS
62G	–	TO BODY NO. 2 HARNESS
63G	–	TO BODY NO. 2 HARNESS
64G	–	TO BODY NO. 2 HARNESS
65G	–	TO BODY NO. 2 HARNESS
66G	–	TO BODY NO. 2 HARNESS
67G	–	TO BODY NO. 2 HARNESS
68G	–	TO BODY NO. 2 HARNESS
69G	–	TO BODY NO. 2 HARNESS
70G	–	TO BODY NO. 2 HARNESS
71G	–	TO BODY NO. 2 HARNESS
72G	–	TO BODY NO. 2 HARNESS
73G	–	TO BODY NO. 2 HARNESS
74G	–	TO BODY NO. 2 HARNESS
76G	–	TO BODY NO. 2 HARNESS
77G	–	TO BODY NO. 2 HARNESS
78G	LA/Y	TO BODY NO. 2 HARNESS
79G	LA/V	TO BODY NO. 2 HARNESS
80G	LA/B	TO BODY NO. 2 HARNESS
81G	LA/L	TO BODY NO. 2 HARNESS
82G	–	TO BODY NO. 2 HARNESS
83G	–	TO BODY NO. 2 HARNESS
84G	–	TO BODY NO. 2 HARNESS
85G	–	TO BODY NO. 2 HARNESS
86G	–	TO BODY NO. 2 HARNESS
87G	–	TO BODY NO. 2 HARNESS
88G	–	TO BODY NO. 2 HARNESS
89G	–	TO BODY NO. 2 HARNESS
90G	–	TO BODY NO. 2 HARNESS
91G	R	TO BODY NO. 2 HARNESS
92G	LA/L	TO BODY NO. 2 HARNESS
93G	W	TO BODY NO. 2 HARNESS
94G	LG	TO BODY NO. 2 HARNESS
95G	GR	TO BODY NO. 2 HARNESS
96G	SB	TO BODY NO. 2 HARNESS
97G	LA/BR	TO BODY NO. 2 HARNESS
98G	GR	TO BODY NO. 2 HARNESS
99G	Y	TO BODY NO. 2 HARNESS
100G	V	TO BODY NO. 2 HARNESS

Connector No.	M44
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1P	R	IGNITION
2P	G	IGNITION
3P	Y	IGNITION RELAY-2 CONTROL
4P	LG	REAR WINDOW DEFOGGER RELAY OUTPUT
5P	GR	REAR WINDOW DEFOGGER RELAY OUTPUT
6P	LA/R	REAR WINDOW DEFOGGER RELAY CONTROL
7P	Y	IGNITION
8P	V	IGNITION
9P	L	BATTERY
10P	LG	IGNITION
11P	–	–
12P	–	–
13P	G	BATTERY
14P	–	–

15P	L	BATTERY
16P	LA/W	FRONT BLOWER MOTOR RELAY CONTROL

Connector No.	M53
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TH04GY-Y-CPA
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
1	–	–
2	V	DR2 +
3	Y	DR1 - & DR2-
4	G	DR1 +

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SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M69
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH
Connector Color	WHITE

H.S.

16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

Terminal No.	Color of Wire	Signal Name
1	SB	TO BODY HARNESS
2	BR	TO BODY HARNESS
3	L	TO BODY HARNESS
4	L	TO BODY HARNESS
5	W	TO BODY HARNESS
6	Y	TO BODY HARNESS
7	LG	TO BODY HARNESS
8	BG	TO BODY HARNESS
9	BR	TO BODY HARNESS
10	Y	TO BODY HARNESS
11	G	TO BODY HARNESS
12	L	TO BODY HARNESS
13	W	TO BODY HARNESS
14	GR	TO BODY HARNESS
15	Y	TO BODY HARNESS
16	P	TO BODY HARNESS
17	R	TO BODY HARNESS
18	W	TO BODY HARNESS
19	R	TO BODY HARNESS
20	–	TO BODY HARNESS
21	–	TO BODY HARNESS
22	–	TO BODY HARNESS
23	–	TO BODY HARNESS
24	P	TO BODY HARNESS
25	L	TO BODY HARNESS
26	BR	TO BODY HARNESS
27	R	TO BODY HARNESS
28	L	TO BODY HARNESS
29	SHIELD	TO BODY HARNESS
30	W	TO BODY HARNESS
31	B	TO BODY HARNESS
32	R	TO BODY HARNESS

Connector No.	M76
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH
Connector Color	WHITE

H.S.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

Terminal No.	Color of Wire	Signal Name
1	B	GND
2	–	–
3	–	–
4	–	–
5	–	–
6	–	–
7	BG	SECURITY
8	–	–
9	GR	ECO MODE SW
10	–	–
11	–	–
12	–	–
13	–	–
14	–	–
15	L	OUTSIDE TEMP SENSOR
16	–	–
17	BG	SATELLITE SW GND
18	SB	TRIP RESET SW
19	–	–
20	Y	OUTSIDE TEMP GND
21	L	GND (STRG SW GND)
22	Y	STRG SW A
23	GR	STRG SW B
24	BR	WASHER SW
25	V	BRAKE OIL SW
26	G	PKB SW
27	–	–
28	Y	DR BELT SW
29	R	SPORT MODE SW
30	LG	M RANGE
31	SB	NOT M RANGE
32	BG	AT SHIFT UP
33	BR	AT SHIFT DOWN
34	–	–
35	–	–
36	GR	ILL UP SW
37	V	ILL DOWN SW
38	G	8P/R OUTPUT

39	W	2P/R OUTPUT
40	–	–

Connector No.	M77
Connector Name	COMBINATION METER
Connector Type	TH12FW-NH
Connector Color	WHITE

H.S.

41	42	43	44	45	46
47	48	49	50	51	52

Terminal No.	Color of Wire	Signal Name
41	L	CAN-H
42	P	CAN-L
43	R	ILL CONT OUT
44	LA/B	FUEL SENSOR GND
45	G	BAT
46	V	IGN
47	SB	M-CAN H
48	LG	M-CAN L
49	–	–
50	–	–
51	LA/L	FUEL SENSOR
52	B	G1

Connector No.	M81
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	JCA02FOR
Connector Color	ORANGE

H.S.

1	2

Terminal No.	Color of Wire	Signal Name
1	SB	AS1+
2	LG	AS1-

Connector No.	M82
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	JCA0FB
Connector Color	BLACK

H.S.

3	4

Terminal No.	Color of Wire	Signal Name
3	L	AS2+
4	BG	AS2-

Connector No.	M92
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA02FY-2V
Connector Color	YELLOW

H.S.

30	29

Terminal No.	Color of Wire	Signal Name
29	G	INFLATOR DR1 +
30	Y	INFLATOR DR1 -

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SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M93
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACA02FOR
Connector Color	ORANGE

H.S.

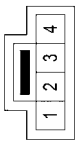


Terminal No.	Color of Wire	Signal Name
31	L	INFLATOR DR2 +
32	R	INFLATOR DR2 -

1	–	TO FRONT DOOR RH HARNESS
2	SHIELD	TO FRONT DOOR RH HARNESS
3	BR	TO FRONT DOOR RH HARNESS
4	GR	TO FRONT DOOR RH HARNESS

Connector No.	M169
Connector Name	WIRE TO WIRE
Connector Type	TK04MY-BD
Connector Color	YELLOW

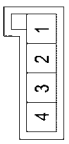
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	TO FRONT DOOR LH HARNESS
2	SHIELD	TO FRONT DOOR LH HARNESS
3	R	TO FRONT DOOR LH HARNESS
4	G	TO FRONT DOOR LH HARNESS

Connector No.	M171
Connector Name	JOINT CONNECTOR-M25
Connector Type	SAC04JW
Connector Color	WHITE

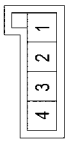
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	B	GROUND
3	–	–
4	B	GROUND

Connector No.	M172
Connector Name	JOINT CONNECTOR-M31
Connector Type	SAC04JW
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	B	GND
2	SHIELD	GND
3	SHIELD	GND
4	SHIELD	GND

Connector No.	M157
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	JAB05FB
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	–	–
2	B	GROUND
3	–	–
4	GR	TELLTALE LAMP OFF

Connector No.	M159
Connector Name	WIRE TO WIRE
Connector Type	TK04MY-BD
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name

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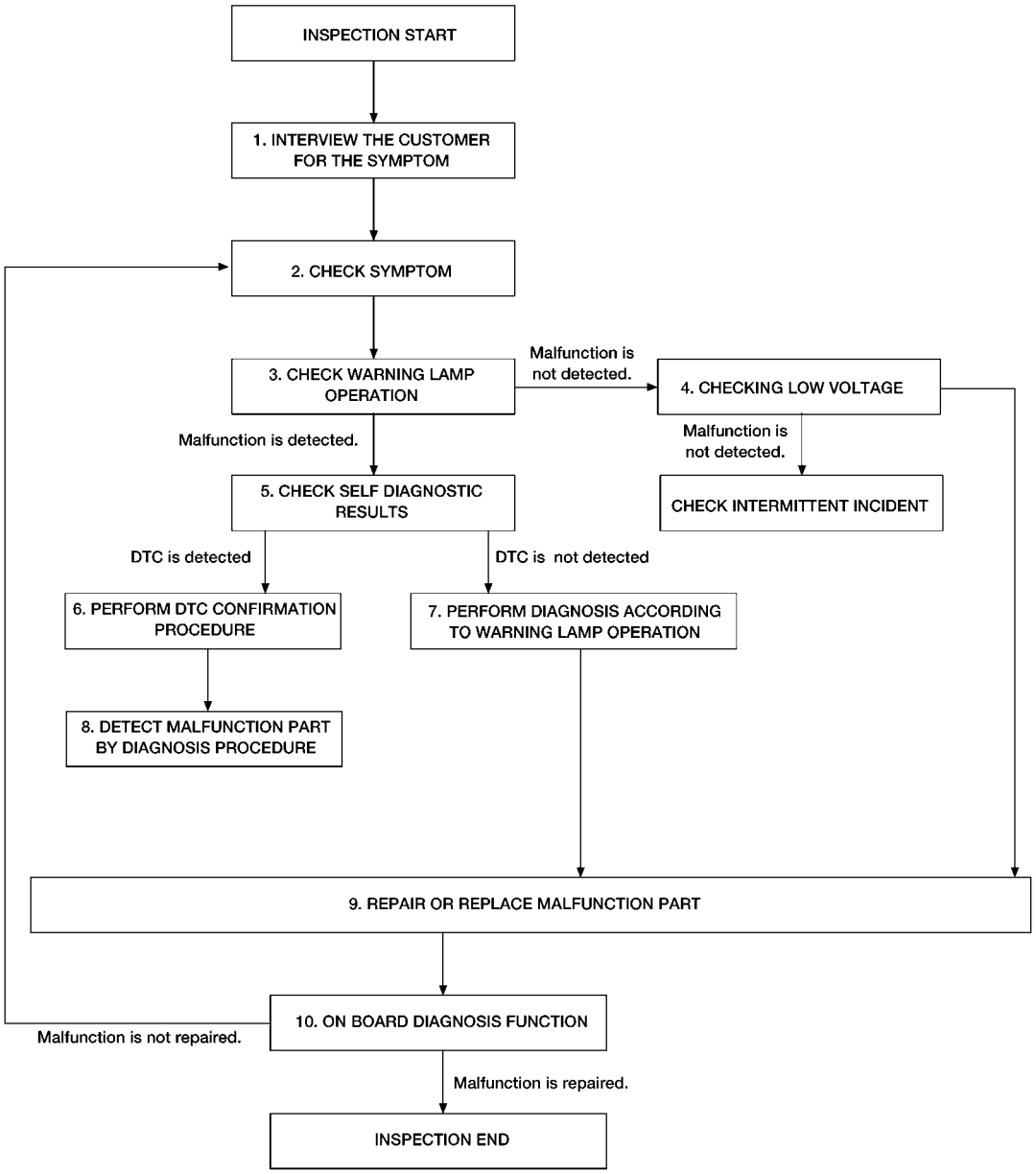
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000014626081

OVERALL SEQUENCE



AWHIA0555GB

DETAILED FLOW

1.INTERVIEW THE CUSTOMER FOR THE SYMPTOM

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

>> GO TO 2.

2.CHECK SYMPTOM

Check the symptom from the customer information.

>> GO TO 3.

3.CHECK WARNING LAMP OPERATION

Check air bag warning lamp operation in the user mode.

Are any malfunction detected?

YES >> GO TO 5.
NO >> GO TO 4.

4.CHECK LOW VOLTAGE

Check low voltage with CONSULT.

Are any malfunction detected?

YES >> GO TO 9.
NO >> Check intermittent incident. Refer to GI-54, "Intermittent Incident".

5.CHECK SELF DIAGNOSTIC RESULT

Check “Self Diagnostic Result” with CONSULT or diagnosis mode.
If it is impossible to switch to diagnosis mode, follow the same procedure that DTC is not detected.

NOTE:
Perform the following procedure if DTC is detected.

- Record DTC (Print them out with CONSULT.)
- Erase “Self Diagnostic Result”.
- Study the relationship between the malfunction that DTC or air bag warning lamp indicates and the symptom that the customer describes.
- Check related service bulletins for information.

Is DTC detected?

YES >> GO TO 6.
NO >> GO TO 7.

6.PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the DTC.

>> GO TO 8.

7.PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION

1. Check air bag warning lamp operation in the user mode.
2. Perform Diagnosis Procedure for the air bag warning lamp operation.

>> GO TO 9.

8.DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the DTC.

>> GO TO 9.

9.REPAIR OR REPLACE THE MALFUNCTION PART

Repair or replace the malfunctioning part.

>> GO TO 10.

10. ON BOARD DIAGNOSIS FUNCTION

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

Is the malfunction repaired?

YES >> Inspection End.
NO >> GO TO 2.

INSPECTION AND ADJUSTMENT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Description

INFOID:0000000015256404

AIR BAG DIAGNOSIS SENSOR UNIT

Vehicle specifications are not yet written in a new air bag diagnosis sensor unit. It is therefore necessary to write the specifications to the new unit and then perform “Re/programming, Configuration” with CONSULT.

OCS CONTROL UNIT

WARNING:

Always perform zero point reset using CONSULT when removing and installing the front passenger seat or servicing the occupant classification system (OCS). If zero point reset is not performed, the OCS may not operate normally, which may increase the risk of serious injury in a collision.

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Special Repair Requirement

INFOID:0000000015256405

WORK PROCEDURE WHEN REPLACING AIR BAG DIAGNOSIS SENSOR UNIT

1. SAVING VEHICLE SPECIFICATION

Ⓔ CONSULT Configuration

Read out the vehicle specification from the old air bag diagnosis sensor unit and save the vehicle specification to CONSULT. Refer to “Configuration (reading)” in the “CONSULT Operation Manual”.

NOTE:

- For the air bag diagnosis sensor unit, the Type ID is stored in CONSULT.
- The Type ID is the part number (vehicle specification) that is to be written to the air bag diagnosis sensor unit.

>> GO TO 2.

2. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".

>> GO TO 3.

3. WRITING VEHICLE SPECIFICATION

Ⓔ CONSULT Configuration

Perform writing of the saved vehicle specification data according to the “Configuration” procedure in the “CONSULT Operation Manual”. Refer to SRC-40, "CONFIGURATION : Work Procedure".

>> WORK END

WORK PROCEDURE WHEN REPLACING OCS CONTROL UNIT

1. PERFORM ZERO POINT RESET

Perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

>> Inspection End.

ZERO POINT RESET

ZERO POINT RESET : Description

INFOID:0000000014626083

Always perform “Zero point reset” using CONSULT when removing and installing the passenger seat or servicing the occupant classification system, including removing/installing or replacing the OCS control unit and sensors. If zero point reset is not performed the OCS may not operate normally, which may increase the risk of

serious injury in a collision. “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 “Zero point reset” is performed once after removal and installation of passenger seat, CONSULT displays “complete”.
- 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
- Installation of passenger seat that is “Zero point reset” complete
- Installation of passenger seat that is “Zero point reset” in complete

ZERO POINT RESET : Special Repair Requirement

INFOID:0000000014626084

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”, front passenger air bag OFF indicator turns ON. When “Zero point reset” is performed, front passenger air bag OFF indicator 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.

CONFIGURATION

CONFIGURATION : Description

INFOID:0000000015256406

Since vehicle specifications are not yet written in a new air bag diagnosis sensor unit, it is necessary to write the specifications to the new unit and then perform “Re/programming, Configuration” with CONSULT. For details, refer to SRC-40, "CONFIGURATION : Work Procedure".
Configuration has three functions as follows.

Function		Description
Before Replace ECU		• Reads the vehicle specification of current air bag diagnosis sensor unit. • Saves the read vehicle specification.
After Replace ECU	FAST linked	Searched for by using Global Web-FAST (NISSAN parts catalogue) to automatically write the Type ID* into the air bag diagnosis sensor unit.
	Manual selection	Searched for by using Global Web-FAST (NISSAN parts catalogue) to write the selected Type ID* into the air bag diagnosis sensor unit. Writes the vehicle configuration by manual selection. **NOTE:** This item is displayed, but not used.

*: The “Type ID” is the part number (vehicle specification) to be written to the air bag diagnosis sensor unit.

CONFIGURATION : Work Procedure

INFOID:0000000015256407

1.CHECKING AIR BAG DIAGNOSIS SENSOR UNIT TYPE ID

CONSULT Configuration
1. Perform ECU setting according to the “Configuration” procedure in the “CONSULT Operation Manual”. Refer to CONSULT Operation Manual.
2. Check if the Type ID of the air bag diagnosis sensor unit is displayed on the CONSULT screen.

Is Type ID displayed?

YES >> GO TO 2.
NO >> GO TO 3.

2.WRITING VEHICLE SPECIFICATION

CONSULT Configuration
Follow the procedure displayed in CONSULT for writing the saved vehicle specification data to the air bag diagnosis sensor unit.

>> GO TO 5.

3.CHECKING AIR BAG DIAGNOSIS SENSOR UNIT TYPE ID

Use Global Web-FAST (NISSAN parts catalogue) to search for the air bag diagnosis sensor unit of the applicable vehicle and find the Type ID. Refer to “FAST linked search” in the “CONSULT Operation Manual”.
NOTE:
For FAST linked parts, even if a system number cannot be acquired from the air bag sensor unit before replacement, the applicable ECU setting operation can still be performed by acquiring the system number from Global Web-FAST (NISSAN parts catalogue).

>> GO TO 4.

4.WRITING VEHICLE SPECIFICATION (FAST LINKED)

CONSULT Configuration
Perform ECU setting according to the “FAST linked search” procedure in the “CONSULT Operation Manual”. Refer to CONSULT Operation Manual.

>> GO TO 5.

5.CHECK ALL ECU SELF-DIAGNOSIS RESULTS

CONSULT Configuration
1. Erase all ECU self-diagnosis results using CONSULT.

2. Turn the ignition switch OFF.
3. Turn the ignition switch ON.
4. Check that all ECU self-diagnosis results have no DTC.

>> WORK END

INTERMITTENT INCIDENT

Inspection Procedure

INFOID:0000000014626087

INTERMITTENT TROUBLE

An intermittent incident may have occurred in the past but is not being detected currently. This DTC will not be detected on “Self Diagnostic Result [CURRENT]”, but may be viewed on “Self Diagnostic Result [PAST]” if the DTC has not been erased. Refer to SRC-15, "Trouble Diagnosis with CONSULT".

DTC/CIRCUIT DIAGNOSIS

B0001, B0002 DRIVER AIRBAG MODULE

DTC Logic

INFOID:0000000014626088

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition	
B0001	DRIVER AIRBAG MODULE CIRCUIT [OPEN]	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Driver air bag module circuit (DR1) (terminal 29 and 30)
			Threshold	—
			Diagnosis delay time	—
	DRIVER AIRBAG MODULE CIRCUIT [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Driver air bag module circuit (DR1) (terminal 29 and 30)
			Threshold	—
			Diagnosis delay time	—
	DRIVER AIRBAG MODULE CIRCUIT [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Driver air bag module circuit (DR1) (terminal 29 and 30)
			Threshold	—
			Diagnosis delay time	—
	DRIVER AIRBAG MODULE CIRCUIT [SHORT]	1A	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Driver air bag module circuit (DR2) (terminal 29 and 30)
			Threshold	—
			Diagnosis delay time	—
B0002	DRIVER AIRBAG MODULE 2ND CIRCUIT [OPEN]	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Driver air bag module circuit (DR2) (terminal 28 and 29)
			Threshold	—
			Diagnosis delay time	—
	DRIVER AIRBAG MODULE 2ND CIRCUIT [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Driver air bag module circuit (DR2) (terminal 28 and 29)
			Threshold	—
			Diagnosis delay time	—
	DRIVER AIRBAG MODULE 2ND CIRCUIT [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Driver air bag module circuit (DR2) (terminal 28 and 29)
			Threshold	—
			Diagnosis delay time	—
	DRIVER AIRBAG MODULE 2ND CIRCUIT [SHORT]	1A	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Driver air bag module circuit (DR2) (terminal 28 and 29)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

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

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

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

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-44, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-44, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-44, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626089

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

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal

- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4.CHECK COMBINATION SWITCH (SPIRAL CABLE) CIRCUIT

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

Driver air bag module		Combination switch (spiral cable)		Continuity
Connector	Terminal	Connector	Terminal	
B92	29	M53	4	Yes
	30		3	
B93	32		2	
	31		3	

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

Driver side air bag module			Continuity
Connector	Terminal		
B92	29	Ground	No
	30		
B93	32		
	31		

Is the inspection result normal?

YES >> GO TO 5.
NO >> Replace combination switch (spiral cable). Refer to SR-16, "Removal and Installation".

5.CONFIRM DTC

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.
NO >> Refer to GI-54, "Intermittent Incident".

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. DRIVER AIR BAG MODULE

1. Replace the driver air bag module. Refer to SR-12, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 8.
NO >> Clear DTC. Inspection End.

8. RELATED HARNESS

Replace the related harness.

>> **END**

B0010, B0011 PASSENGER AIRBAG MODULE

DTC Logic

INFOID:0000000014626090

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0010	ASSIST A/B MODULE [OPEN]	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS1) (terminal 25 and 26)
			Threshold	—
			Diagnosis delay time	—
	ASSIST A/B MODULE [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS1) (terminal 25 and 26)
			Threshold	—
			Diagnosis delay time	—
	ASSIST A/B MODULE [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS1) (terminal 25 and 26)
			Threshold	—
			Diagnosis delay time	—
	ASSIST A/B MODULE [SHORT]	1A	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS1) (terminal 25 and 26)
			Threshold	—
			Diagnosis delay time	—
B0011	ASSIST A/B MODULE 2 [OPEN]	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS2) (terminal 23 and 24)
			Threshold	—
			Diagnosis delay time	—
	ASSIST A/B MODULE 2 [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS2) (terminal 23 and 24)
			Threshold	—
			Diagnosis delay time	—
	ASSIST A/B MODULE 2 [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS2) (terminal 23 and 24)
			Threshold	—
			Diagnosis delay time	—
	ASSIST A/B MODULE 2 [SHORT]	1A	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS2) (terminal 23 and 24)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

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

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-48, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-48, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-48, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626091

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.
NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5.AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.FRONT PASSENGER AIR BAG MODULE

CONSULT
1. Replace the front passenger air bag module. Refer to SR-18, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0020 SIDE AIRBAG MODULE LH

Description

INFOID:0000000014626092

DTC B0020 FRONT LH SIDE AIR BAG MODULE

The front LH side air bag module is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the front LH side air bag module.

PART LOCATION

Refer to SRC-5, "Component Parts Location".

DTC Logic

INFOID:0000000014626093

DTC DETECTION LOGIC

With CONSULT

DTC	CONSULT name			
B0020	SIDE A/B MODULE LH [OPEN]	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module LH circuit (terminal 53 and 54)
			Threshold	—
			Diagnosis delay time	—
	SIDE A/B MODULE LH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module LH circuit (terminal 53 and 54)
			Threshold	—
			Diagnosis delay time	—
	SIDE A/B MODULE LH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module LH circuit (terminal 53 and 54)
			Threshold	—
			Diagnosis delay time	—
	SIDE A/B MODULE LH [SHORT]	1A	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module LH circuit (terminal 53 and 54)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-51, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

CONSULT
Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-51, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-51, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626094

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-54, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4. CONFIRM DTC

CONSULT

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT

1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. SIDE AIR BAG MODULE LH

CONSULT

1. Replace the side air bag module LH. Refer to SR-22, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B0021 SIDE CURTAIN AIR BAG MODULE LH

DTC Logic

INFOID:0000000014626098

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0021	CURTAIN A/B MODULE LH [OPEN]	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side curtain air bag module LH circuit (terminal 55 and 56)
			Threshold	—
			Diagnosis delay time	—
	CURTAIN A/B MODULE LH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side curtain air bag module LH circuit (terminal 55 and 56)
			Threshold	—
			Diagnosis delay time	—
	CURTAIN A/B MODULE LH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side curtain air bag module LH circuit (terminal 55 and 56)
			Threshold	—
			Diagnosis delay time	—
	CURTAIN A/B MODULE LH [SHORT]	1A	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side curtain air bag module LH circuit (terminal 55 and 56)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of side curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of side curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of side curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of side curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.

2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-54, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-54, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-54, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626099

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. SIDE CURTAIN AIR BAG MODULE LH

CONSULT
1. Replace the side curtain air bag module LH. Refer to SR-22, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B0028 SIDE AIRBAG MODULE RH

Description

INFOID:0000000014626095

DTC B0028 FRONT RH SIDE AIR BAG MODULE

The front RH side air bag module is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the front RH side air bag module.

PART LOCATION

Refer to SRC-5, "Component Parts Location".

DTC Logic

INFOID:0000000014626096

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0028	SIDE A/B MODULE RH [OPEN]	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module RH circuit (terminals 3 and 4)
			Threshold	—
			Diagnosis delay time	—
	SIDE A/B MODULE RH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module RH circuit (terminals 3 and 4)
			Threshold	—
			Diagnosis delay time	—
	SIDE A/B MODULE RH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module RH circuit (terminals 3 and 4)
			Threshold	—
			Diagnosis delay time	—
	SIDE A/B MODULE RH [SHORT]	1A	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module RH circuit (terminals 3 and 4)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-57, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-57, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-57, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626097

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4. CONFIRM DTC

CONSULT

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT

1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. SIDE AIRBAG MODULE RH

CONSULT

1. Replace the side airbag module RH. Refer to SR-22, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B0029 SIDE CURTAIN AIR BAG MODULE RH

DTC Logic

INFOID:0000000014626100

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition	
B0029	CURTAIN A/B MODULE RH [OPEN]	13	Diagnosis condition	When the ignition switch is ON
			Signal (terminal)	Side curtain air bag module RH circuit (terminal 5 and 6)
			Threshold	—
			Diagnosis delay time	—
	CURTAIN A/B MODULE RH [VB-SHORT]	12	Diagnosis condition	When the ignition switch is ON
			Signal (terminal)	Side curtain air bag module RH circuit (terminal 5 and 6)
			Threshold	—
			Diagnosis delay time	—
	CURTAIN A/B MODULE RH [GND-SHORT]	11	Diagnosis condition	When the ignition switch is ON
			Signal (terminal)	Side curtain air bag module RH circuit (terminal 5 and 6)
			Threshold	—
			Diagnosis delay time	—
	CURTAIN A/B MODULE RH [SHORT]	1A	Diagnosis condition	When the ignition switch is ON
			Signal (terminal)	Side curtain air bag module RH circuit (terminal 5 and 6)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.

2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-60, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-60, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-60, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626101

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. SIDE CURTAIN AIR BAG MODULE RH

CONSULT
1. Replace the side curtain air bag module RH. Refer to SR-20, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

Description

INFOID:0000000014626124

DTC B0092 REAR SATELLITE SENSOR LH

The rear side satellite sensor LH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the rear side satellite sensor LH for internal failures and its circuits for communication errors.

PART LOCATION

Refer to SRC-5, "Component Parts Location".

DTC Logic

INFOID:0000000014626125

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0092	C-PILLAR SAT SEN LH [RESET]	93	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor LH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [COMM ERR]	81	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor LH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [DISCONNECT]	88	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor LH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor LH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor LH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [SELF-DIAG ERR]	25	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor LH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor LH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN LH [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor LH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—
B0092	C-PILLAR SAT SEN LH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor LH (terminal 61 and 62)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[RESET], [COMM ERR]
- Connection malfunction of harness or connector
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[OPEN], [DISCONNECT]
- Connection malfunction or open circuit of harness or connector
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

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

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness or connector
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-64, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-64, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-64, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626126

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:

All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3
NO >> Refer to GI-54, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5. REAR SIDE SATELLITE SENSOR LH

CONSULT
1. Replace the rear side satellite sensor LH. Refer to SR-25, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B0093 FRONT DOOR SATELLITE SENSOR LH

DTC Logic

INFOID:0000000014626114

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0093	DOOR SATEL SENS LH [RESET]	93	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [COMM ERR]	81	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [OPEN]	88	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [SELF-DIAG ERR]	25	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS LH [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor LH (terminal 34 and 44)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[RESET], [COMM ERR]

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

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

[UNMATCH]
- Air bag diagnosis sensor unit and front door satellite sensor LH are different from the parts specified.

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]
- Internal malfunction of front door satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-68, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-68, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-68, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626115

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:

- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.
NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5.FRONT DOOR SATELLITE SENSOR LH

CONSULT
1. Replace the front door satellite sensor LH. Refer to SR-25, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0094 CRASH ZONE SENSOR

DTC Logic

INFOID:0000000014626112

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition	
B0094	CRASH ZONE SENS [RESET]	93	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 31 and 41)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [COMM ERR]	81	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 31 and 41)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [OPEN]	88	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 31 and 41)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 31 and 41)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 31 and 41)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [SELF-DIAG ERR]	25	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 31 and 41)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 31 and 41)
			Threshold	—
			Diagnosis delay time	—
	CRASH ZONE SENS [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Crash zone sensor (terminal 31 and 41)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[RESET], [COMM ERR]
- Connection malfunction of harness or connector
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

[OPEN]
- Connection malfunction or open circuit of harness or connector

- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

[UNMATCH]
- Air bag diagnosis sensor unit and crash zone sensor are different from the parts specified.

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness or connector
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-71, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-71, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-71, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626113

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.

- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5.CRASH ZONE SENSOR

CONSULT
1. Replace the crash zone sensor. Refer to SR-23, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

Description

INFOID:0000000014626127

DTC B0097 REAR SATELLITE SENSOR RH

The rear side satellite sensor RH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the rear side satellite sensor RH for internal failures and its circuits for communication errors.

PART LOCATION

Refer to SRC-5, "Component Parts Location".

DTC Logic

INFOID:0000000014626128

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition	
B0097	C-PILLAR SAT SEN RH [RESET]	93	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor RH (terminal 11 and 12)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [COMM ERR]	81	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor RH (terminal 11 and 12)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [OPEN]	88	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor RH (terminal 11 and 12)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor RH (terminal 11 and 12)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor RH (terminal 11 and 12)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [SELF-DIAG ERR]	25	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor RH (terminal 11 and 12)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor RH (terminal 11 and 12)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side air bag satellite sensor RH (terminal 11 and 12)
			Threshold	—
			Diagnosis delay time	—
	C-PILLAR SAT SEN RH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Rear side satellite sensor RH (terminal 11 and 12)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[RESET], [COMM ERR]
- Connection malfunction of harness or connector
- Internal malfunction of rear side satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

[OPEN]
- Connection malfunction or open circuit of harness or connector
- Internal malfunction of rear side satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-75, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-75, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-75, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626129

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.

3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4.CONFIRM DTC

CONSULT

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5.REAR SIDE SATELLITE SENSOR RH

CONSULT

1. Replace the rear side satellite sensor RH. Refer to SR-25, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT

1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0098 FRONT DOOR SATELLITE SENSOR RH

DTC Logic

INFOID:0000000014626116

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B0098	DOOR SATEL SENS RH [RESET]	93	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 42 and 32)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [COMM ERR]	81	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 42 and 32)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [OPEN]	88	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 42 and 32)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 42 and 32)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 42 and 32)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [SELF-DIAG ERR]	25	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 42 and 32)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 42 and 32)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 42 and 32)
			Threshold	—
			Diagnosis delay time	—
	DOOR SATEL SENS RH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Front door satellite sensor RH (terminals 42 and 32)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[RESET], [COMM ERR]
- Connection malfunction of harness or connector
- Internal malfunction of front door satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-79, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-79, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-79, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626117

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4. CONFIRM DTC

CONSULT

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5. FRONT DOOR SATELLITE SENSOR LH

CONSULT

1. Replace the front door satellite sensor LH. Refer to SR-25, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT

1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

Description

INFOID:0000000014626130

DTC B00A0 OCCUPANT CLASSIFICATION SYSTEM (OCS)

The OCS control unit is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the OCS for failures and interruptions in communication between the OCS control unit and the air bag diagnosis sensor unit.

PART LOCATION

Refer to SRC-5, "Component Parts Location".

DTC Description

INFOID:0000000014626131

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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

Ⓔ CONSULT
1. Turn ignition switch ON.
2. Check the DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to:
- B00A0-00, -02 or -09: SRC-82, "Diagnosis Procedure (B00A0-00, -02 or -09)"
- B00A0-04: SRC-83, "Diagnosis Procedure (B00A0-04)"
- B00A0-83, -86, -87, -88 or -8F: SRC-84, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
- B00A0-93: SRC-85, "Diagnosis Procedure (B00A0-93)"

YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to:
- B00A0-00, -02 or -09: SRC-82, "Diagnosis Procedure (B00A0-00, -02 or -09)"
- B00A0-04: SRC-83, "Diagnosis Procedure (B00A0-04)"
- B00A0-83, -86, -87, -88 or -8F: SRC-84, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
- B00A0-93: SRC-85, "Diagnosis Procedure (B00A0-93)"

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to:
- B00A0-00, -02 or -09: SRC-82, "Diagnosis Procedure (B00A0-00, -02 or -09)"
- B00A0-04: SRC-83, "Diagnosis Procedure (B00A0-04)"
- B00A0-83, -86, -87, -88 or -8F: SRC-84, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
- B00A0-93: SRC-85, "Diagnosis Procedure (B00A0-93)"

NO >> Inspection End.

Diagnosis Procedure (B00A0-00, -02 or -09)

INFOID:0000000014626132

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors)

Is the inspection result normal?

YES >> GO TO 3.
NO >> Perform the following repairs. Then, GO TO 2.
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

3.REPLACE OCS CONTROL UNIT AND SENSORS

CONSULT
1. Replace the OCS control unit and sensors. Refer to SR-31, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 4.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

4. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

5. RELATED HARNESS

CONSULT
1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit).
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

6. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-51, "DRIVER SIDE : Seat Cushion".
2. Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

>> Inspection End.

Diagnosis Procedure (B00A0-04)

INFOID:0000000014626133

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors)

Is the inspection result normal?

YES >> GO TO 3.
NO >> Perform the following repairs. Then, GO TO 2.
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

3. REPLACE OCS CONTROL UNIT

CONSULT
1. Replace the OCS control unit. Refer to SR-31, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 4.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

4. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

5. RELATED HARNESS

CONSULT
1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit)
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

6. REPLACE OCS SENSORS

CONSULT
1. Replace the OCS sensors. Refer to SR-31, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

7. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-51, "DRIVER SIDE : Seat Cushion".
2. Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

>> Inspection End.

Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)

INFOID:0000000014626134

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors)

Is the inspection result normal?

YES >> GO TO 3.
NO >> Perform the following repairs. Then, GO TO 2.
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2. CONFIRM DTC

CONSULT

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

3.REPLACE OCS CONTROL UNIT AND SENSORS

CONSULT
1. OCS control unit and sensors. Refer to SR-31, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 4.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

4.AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

5.RELATED HARNESS

CONSULT
1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit).
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

6.REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-51, "DRIVER SIDE : Seat Cushion".
2. Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

>> Inspection End.

Diagnosis Procedure (B00A0-93)

INFOID:0000000014626135

1.PERFORM ZERO POINT RESET

CONSULT
1. Perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 2.
NO >> Clear DTC. Inspection End.

2.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors)

Is the inspection result normal?

YES >> GO TO 4.
NO >> Perform the following repairs. Then, GO TO 3.
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

3. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 4.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

4. REPLACE OCS CONTROL UNIT

CONSULT
1. Replace the OCS control unit. Refer to SR-31, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

5. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

6. RELATED HARNESS

CONSULT
1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit)
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

7. REPLACE OCS SENSORS

CONSULT
1. Replace the OCS sensors. Refer to SR-31, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 8.
NO >> Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

8. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-51, "DRIVER SIDE : Seat Cushion".
2. Clear DTC and perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

>> Inspection End.

B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

DTC Logic

INFOID:0000000014626139

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition	
B00D5	PASS A/B INDCTR CKT [UNIT MALFUNC]	04	Diagnosis condition	When ignition is ON.
			Signal (terminal)	Front passenger air bag OFF indicator (Terminal 47)
			Threshold	—
			Diagnosis delay time	—
	PASS A/B INDCTR CKT [PWR-SHORT/OPEN]	15	Diagnosis condition	When ignition is ON.
			Signal (terminal)	Front passenger air bag OFF indicator (Terminal 47)
			Threshold	—
			Diagnosis delay time	—
	PASS A/B INDCTR CKT [OPEN]	13	Diagnosis condition	When ignition is ON.
			Signal (terminal)	Front passenger air bag OFF indicator (Terminal 47)
			Threshold	—
			Diagnosis delay time	—
	PASS A/B INDCTR CKT [VB-SHORT]	12	Diagnosis condition	When ignition is ON.
			Signal (terminal)	Front passenger air bag OFF indicator (Terminal 47)
			Threshold	—
			Diagnosis delay time	—
	PASS A/B INDCTR CKT [GND-SHORT]	11	Diagnosis condition	When ignition is ON.
			Signal (terminal)	Front passenger air bag OFF indicator (Terminal 47)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[UNIT MALFUNC]
- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

[PWE-SHORT/OPEN]
- 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

[OPEN]
- 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

[VB-SHORT]
- 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

[GND-SHORT]
- 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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-89, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-89, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-89, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626140

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.
NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4. CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5. FRONT PASSENGER AIR BAG OFF INDICATOR

CONSULT
1. Replace the front passenger air bag off indicator.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

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

DTC Description

INFOID:0000000015253666

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B1400	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1401	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1402	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1403	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1404	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1405	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

- Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.

CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "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-54, "Intermittent Incident".
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:0000000015253667

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 an unspecified tester or other measuring device.**

1.CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES >> GO TO 2.
NO–1 >> Damage: Replace malfunctioning harness and connector.
NO–2 >> Disconnection or looseness: Securely lock the connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-91, "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:0000000015253668

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition		
B1406	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1407	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1408	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1409	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1410	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

- Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.CHECK SELF DIAGNOSTIC RESULT

(P) CONSULT
1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.

(X) CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "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-94, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-54, "Intermittent Incident".
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:0000000015253669

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 an unspecified tester or other measuring device.**

1.CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES >> GO TO 2.
NO–1 >> Damage: Replace malfunctioning harness and connector.
NO–2 >> Disconnection or looseness: Securely lock the connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-93, "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:0000000015253670

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B1411	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1412	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1413	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1414	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1415	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

- Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.

CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "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-54, "Intermittent Incident".
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:0000000015253671

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 for disconnection, looseness or damage.

Is the inspection result normal?

YES >> GO TO 2.
NO–1 >> Damage: Replace malfunctioning harness and connector.
NO–2 >> Disconnection or looseness: Securely lock the connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-95, "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:0000000015253672

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition		
B1416	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Air bag control unit internal trouble, EEPROM
			Threshold	—
			Diagnosis delay time	—
B1417	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Air bag control unit internal trouble, Algorithm
			Threshold	—
			Diagnosis delay time	—
B1418	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Air bag control unit internal trouble, Configuration
			Threshold	—
			Diagnosis delay time	—
B1419	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Air bag control unit internal trouble, other component
			Threshold	—
			Diagnosis delay time	—
B1420	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Air bag control unit internal trouble, other component
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

- Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.

CONSULT
1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "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-98, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-54, "Intermittent Incident".
NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:0000000015253673

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 an unspecified tester or other measuring device.**

1.CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES >> GO TO 2.
NO–1 >> Damage: Replace malfunctioning harness and connector.
NO–2 >> Disconnection or looseness: Securely lock the connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

3.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-97, "DTC Description".

Is DTC detected?

YES >> GO TO 1.
NO >> Inspection End.

B1428 SEAT BELT BUCKLE SWITCH LH

Description

INFOID:0000000014626106

DTC B1428 SEAT BELT BUCKLE SWITCH LH

The air bag diagnosis sensor unit monitors the seat belt buckle switch LH status. If the control unit detects an open or short condition in the circuit, it will set the DTC.

PART LOCATION

Refer to SRC-5, "Component Parts Location".

DTC Logic

INFOID:0000000014626107

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition	
B1428	BUCKLE SW LH [OPEN]	13	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Seat belt buckle switch LH circuit is open. (terminal 67).
			Threshold	—
			Diagnosis delay time	—
	BUCKLE SW LH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Seat belt buckle switch LH circuit is shorted to power. (terminal 67).
			Threshold	—
			Diagnosis delay time	—
	BUCKLE SW LH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Seat belt buckle switch LH circuit is shorted to ground (terminal 67).
			Threshold	—
			Diagnosis delay time	—
	BUCKLE SW LH [UNDEFINED]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Seat belt buckle switch (terminal 67).
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt buckle switch LH

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt buckle switch LH
- Internal malfunction of diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt buckle switch LH
- Internal malfunction of diagnosis sensor unit

[UNDEFINED]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt buckle switch LH
- Internal malfunction of diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-100, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-100, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-100, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626108

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4. CONFIRM DTC

CONSULT

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5. SEAT BELT BUCKLE SWITCH LH

CONSULT

1. Replace the seat buckle switch LH. Refer to SR-30, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT

1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B1429 SEAT BELT BUCKLE SWITCH RH

Description

INFOID:0000000014626109

DTC B1429 SEAT BELT BUCKLE SWITCH RH

The air bag diagnosis sensor unit monitors the seat belt buckle switch RH status. If the control unit detects an open or short condition in the circuit, it will set the DTC.

PART LOCATION

Refer to SRC-5, "Component Parts Location".

DTC Logic

INFOID:0000000014626110

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B1429	BUCKLE SW RH [OPEN]	13	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Seat belt buckle switch RH circuit is open. (terminal 20)
			Threshold	—
			Diagnosis delay time	—
B1429	BUCKLE SW RH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Seat belt buckle switch RH circuit is open. (terminal 20)
			Threshold	—
			Diagnosis delay time	—
B1429	BUCKLE SW RH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Seat belt buckle switch RH circuit is open. (terminal
			Threshold	—
			Diagnosis delay time	—
B1429	BUCKLE SW RH [UNDEFINED]	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Seat belt buckle switch RH circuit is open. (terminal 20)
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt buckle switch RH

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt buckle switch RH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt buckle switch RH
- Internal malfunction of air bag diagnosis sensor unit

[UNDEFINED]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt buckle switch RH
- Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-60, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-60, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF DIAGNOSTIC RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-60, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626111

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4. CONFIRM DTC

CONSULT

1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5. SEAT BELT BUCKLE RH

CONSULT

1. Replace the seat buckle RH. Refer to SR-30, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT

1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B1430, B1432 SEAT BELT PRE-TENSIONER LH

DTC Logic

INFOID:0000000014626102

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B1430	PRE-TEN FRONT LH [OPEN]	13	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is open (shoulder belt) (terminal 65 and 66).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT LH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to a power supply circuit (shoulder belt) (terminal 65 and 66).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT LH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to ground (shoulder belt) (terminal 65 and 66).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT LH [SHORT]	1A	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuits are shorted to each other (shoulder belt) (terminal 65 and 66).
			Threshold	—
			Diagnosis delay time	—
B1432	PRE-TEN FRONT LH2 [OPEN]	13	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is open (Lap belt) (terminal 51 and 52).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT LH2 [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to a power supply circuit (Lap belt) (terminal 51 and 52).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT LH2 [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to ground (Lap belt) (terminal 51 and 52).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT LH2 [SHORT]	1A	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuits are shorted to each other (Lap belt) (terminal 51 and 52).
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- 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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-106, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-106, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-106, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626103

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:

All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5.AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.SEAT BELT PRE-TENSIONER LH

CONSULT
1. Replace the seat belt pre-tensioner LH. Refer to SR-29, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B1431, B1433 SEAT BELT PRE-TENSIONER RH

DTC Logic

INFOID:0000000014626104

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B1431	PRE-TEN FRONT RH [OPEN]	13	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is open (shoulder belt) (terminal 21 and 22).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT RH [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to a power supply circuit (shoulder belt) (terminal 21 and 22).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT RH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to ground (shoulder belt) (terminal 21 and 22).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT RH [SHORT]	1A	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuits are shorted to each other (shoulder belt) (terminal 21 and 22).
			Threshold	—
			Diagnosis delay time	—
B1433	PRE-TEN FRONT RH2 [OPEN]	13	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is open (Lap belt) (terminal 1 and 2).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT RH2 [VB-SHORT]	12	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to a power supply circuit (Lap belt) (terminal 1 and 2).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT RH2 [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to ground (Lap belt) (terminal 1 and 2).
			Threshold	—
			Diagnosis delay time	—
	PRE-TEN FRONT RH2 [SHORT]	1A	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	LH seat belt pre-tensioner circuits are shorted to each other (Lap belt) (terminal 1 and 2).
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[OPEN]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- Internal malfunction of air bag diagnosis sensor unit

[SHORT]
- 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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

CONSULT
1. Turn ignition switch ON.
2. Check for DTC.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-110, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-110, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-13, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-110, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626105

1.HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:
- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:
All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.
NO >> Perform one of the following repairs:
- Visible damage: Replace the harness.
- Loose terminal: Secure the terminal.
- Poor connection: Secure the connection.

2.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-54, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.
NOTE:
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

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

4.CONFIRM DTC

CONSULT
1. Reconnect all harness connectors.
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-54, "Intermittent Incident".

5.AIR BAG DIAGNOSIS SENSOR UNIT

CONSULT
1. Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC. Inspection End.

6.SEAT BELT PRE-TENSIONER RH

CONSULT
1. Replace the seat belt pre-tensioner RH. Refer to SR-29, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B142A IGNITION VOLTAGE

Description

INFOID:0000000014626141

DTC B142A IGNITION VOLTAGE

Ignition voltage is supplied to the air bag diagnosis sensor unit when the ignition is in the ON position. The air bag diagnosis sensor unit will monitor for low or high ignition voltage.

PART LOCATION

Refer to SRC-5, "Component Parts Location".

DTC Logic

INFOID:0000000014626142

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B142A	IGNITION VOLTAGE [VB-LOW]	16	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Ignition voltage low at air bag diagnosis sensor unit.
			Threshold	—
			Diagnosis delay time	—
	IGNITION VOLTAGE [VB-HIGH]	17	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Ignition voltage high at air bag diagnosis sensor unit.
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

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

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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF DIAGNOSTIC RESULT

CONSULT
Check for the DTC.

Is the DTC detected?

YES >> Refer to SRC-113, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626143

NOTE:
Follow the procedures in numerical order when repairing malfunctioning parts. Confirm whether malfunction is eliminated using air bag warning lamp each time repair is finished. If malfunction is still observed, proceed to the next step. When malfunction is eliminated, further repair work is not required.

1. HARNESS CONNECTOR

Is there any visible damage to the connector?

Is the inspection result normal?

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

2. WIRING HARNESS

Is there any visible damage to the harness?

Is the inspection result normal?

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

3. AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".

>> GO TO 4.

4. RELATED HARNESS

Replace the related harness.

>> **END**

B1427 CONFIG SETTING

DTC Description

INFOID:0000000014626144

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
CONFIG SETTING (Configuration setting)	B1427	When errors are detected in the configuration data stored in the air bag diagnosis sensor unit.	Refer to SRC-114, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000014626145

1.PERFORM CONFIGURATION

Perform configuration for air bag diagnosis sensor unit.

>> Refer to SRC-40, "CONFIGURATION : Description".

B142X COLLISION DETECTION

Description

INFOID:0000000014626152

DTC B1421 - B1422 COLLISION DETECTION

The air bag diagnosis sensor unit will set this DTC if it has detected a collision which has resulted in a deployment of one or more air bags or pre-tensioners. If this DTC is detected after a SRS repair, the air bag diagnosis sensor unit has not yet been replaced. This DTC can not be erased.

PART LOCATION

Refer to SRC-5, "Component Parts Location".

DTC Logic

INFOID:0000000014626153

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
B1421	FRONTAL COLLISION	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1422	SIDE COLLISION	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1423	ROLLOVER DETECTION	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—
B1425	REAR COLLISION	00	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	—
			Threshold	—
			Diagnosis delay time	—

POSSIBLE CAUSE

[B1421-00]
- Malfunction of frontal-related parts
- Internal malfunction of air bag diagnosis sensor unit

[B1422-00]
- Malfunction of side-related parts
- Internal malfunction of air bag diagnosis sensor unit

[B1423-00]
- Malfunction of side-related parts
- Internal malfunction of air bag diagnosis sensor unit

[B1425-00]
- Malfunction of rear-related parts
- Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF DIAGNOSTIC RESULT

CONSULT
Check for the DTC.

Is the DTC detected?

YES >> Refer to SRC-116, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626154

Refer to Frontal collision: SR-5, "FOR FRONTAL COLLISION : When SRS is activated in a collision", SR-6, "FOR FRONTAL COLLISION : When SRS is not activated in a collision" or SR-7, "FOR SIDE AND ROLL-OVER COLLISION : When SRS is activated in a collision" or Side and rollover collision: SR-9, "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision"

U1000 CAN COMM CIRCUIT

Description

INFOID:0000000014626146

CAN (Controller Area Network) is a serial communication system for real time application. It is an on-vehicle multiplex communication system with high data communication speed and excellent error detection ability. Many electronic control units are equipped into vehicles, and each control unit shares information and links with other control units during operation. With CAN communication, control units are connected with two communication lines (CAN-H line, CAN-L line) allowing a high rate of information transmission with less wiring. Each control unit transmits and receives data but selectively reads required data only. Refer to LAN-44, "CAN COMMUNICATION SYSTEM : CAN Communication Signal Chart".

DTC Logic

INFOID:0000000014626147

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	
U1000-01	CAN COMM CIRCUIT	Diagnosis condition	When ignition switch is ON
		Signal (terminal)	—
		Threshold	—
		Diagnosis delay time	—

POSSIBLE CAUSE

- CAN communication system

DTC CONFIRMATION PROCEDURE

1.PERFORM SELF DIAGNOSTIC RESULT

CONSULT

1. Turn ignition switch ON and wait for 7 seconds or more.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.
3. Check if any DTC is displayed in the “Self Diagnostic Result”.

Is DTC detected?

YES >> Refer to SRC-117, "Diagnosis Procedure".
NO >> Refer to GI-54, "Intermittent Incident".

Diagnosis Procedure

INFOID:0000000014626148

1.CHECK CAN COMMUNICATION SYSTEM

Check CAN communication system. Refer to LAN-26, "Trouble Diagnosis Flow Chart".

>> Inspection End.

U1010 CONTROL UNIT (CAN)

Description

INFOID:0000000014626149

Air bag diagnosis sensor performs self-tests on key ON. If CAN communication failure within control unit is detected, DTC is set.

DTC Logic

INFOID:0000000014626150

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition	
U1010–49	CONTROL UNIT (CAN)	Diagnosis condition	When ignition switch is ON
		Signal (terminal)	—
		Threshold	—
		Diagnosis delay time	—

POSSIBLE CAUSE

- Air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1.PERFORM SELF DIAGNOSTIC RESULT

CONSULT

1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “AIR BAG”.
3. Check if DTC is displayed in the “Self Diagnostic Results”.

Is DTC detected?

YES >> Refer to SRC-118, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000014626151

1.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".

>> Inspection End.

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

AIR BAG Warning Lamp Does Not Turn On

INFOID:0000000014626155

1. CHECK METER FUSE

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

Is the fuse blown?

YES >> GO TO 2.
NO >> GO TO 3.

2. REPLACE METER FUSE AND CHECK AGAIN

Replace 10A fuse [No. 13, located in the fuse block (J/B)] and turn ignition switch ON.

Does the fuse blow again?

YES >> Replace fuse and harness.
NO >> Inspection End.

3. CHECK HARNESS CONNECTIONS BETWEEN AIR BAG DIAGNOSIS SENSOR UNIT AND COMBINATION METER

Inspect the harness and connectors between the air bag diagnosis sensor unit and the combination meter.

Do the harness or connectors have any visible damage?

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

4. CHECK COMBINATION METER

Disconnect the air bag diagnosis sensor unit harness connectors and turn ignition switch ON.

Does AIR BAG warning lamp turn on?

YES >> Replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".
NO >> Replace the combination meter. Refer to MWI-81, "Removal and Installation".

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

AIR BAG Warning Lamp Does Not Turn Off

INFOID:0000000014626156

1.CHECK CONDITION OF AIR BAG MODULE

Inspect for any deployed air bag modules or seat belt pre-tensioners.

Are any air bag modules or seat belt pre-tensioners deployed?

YES >> Refer to Frontal collision: SR-5, "FOR FRONTAL COLLISION : When SRS is activated in a collision", SR-6, "FOR FRONTAL COLLISION : When SRS is not activated in a collision" or Side and rollover collision: SR-7, "FOR SIDE AND ROLLOVER COLLISION : When SRS is activated in a collision", SR-9, "FOR SIDE AND ROLLOVER COLLISION : When SRS is not activated in a collision".

NO >> GO TO 2.

2.CHECK THE AIR BAG FUSE

Check 10A fuse [No. 32, located in the fuse block (J/B)].

Is the fuse blown?

YES >> GO TO 3.

NO >> GO TO 4.

3.CHECK AIR BAG FUSE AGAIN

Replace 10A fuse [No. 32, located in the fuse block (J/B)] and turn ignition switch ON.

Does the fuse blow again?

YES >> Replace fuse and harness.

NO >> Inspection End.

4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Connect CONSULT.

Is “AIR BAG” displayed on CONSULT?

YES >> GO TO 5.

NO >> Visually inspect the air bag diagnosis sensor unit harness connections. If the connections are OK, replace the air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".

5.CHECK HARNESS CONNECTION

Check for loose connections between the combination meter and the air bag diagnosis sensor unit.

Are there any loose connections?

YES >> Properly connect the combination meter and air bag diagnosis sensor unit harness connectors. If AIR BAG warning lamp still does not turn off, replace the wiring harness.

NO >> Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".

SEAT BELT WARNING SYSTEM

Seat Belt Warning System Does Not Function

INFOID:0000000014626157

1.SEAT BELT WARNING LIGHT

Turn ignition switch ON.

Does the seat belt warning lamp come ON?

YES >> GO TO 2.
NO >>
- Check 10A fuse [No. 13, located in the fuse block (J/B)].
- Check seat belt buckle switch LH.
- Check harness between combination meter and seat belt buckle switch LH.
- Check combination meter. Refer to MWI-30, "Fail-safe".

2.SEAT BELT BUCKLE LH

Fasten the seat belt buckle (driver seat).

Does the seat belt warning lamp go OFF?

YES >> GO TO 3.
NO >>
- Check seat belt buckle switch LH.
- Check harness between combination meter and seat belt buckle switch LH.

3.OCCUPANT CLASSIFICATION SYSTEM

Have a helper sit in the passenger seat.

Does the seat belt warning lamp go ON?

YES >> GO TO 4.
NO >>
- Check occupant classification system. Refer to SRC-10, "OCCUPANT CLASSIFICATION SYSTEM : System Description".
- Check harness between occupant classification control unit and air bag diagnosis sensor unit.

4.SEAT BELT BUCKLE RH

Fasten the seat belt buckle (passenger seat).

Does the seat belt warning lamp go OFF?

YES >> System OK.
NO >>
- Check seat belt buckle switch RH.
- Check harness between seat belt buckle switch RH and air bag diagnosis sensor unit.
- Replace air bag diagnosis sensor unit. Refer to SR-27, "Removal and Installation".

A/B WARNING LAMP IS OFF, PASS A/B INDCTR LAMP TURNS ON INTERMIT

Description

INFOID:0000000014626158

SRS air bag warning lamp is OFF, passenger air bag indicator lamp turns ON intermittently with a person of adult stature seated normally in the passenger seat.

Diagnosis Procedure

INFOID:0000000014626159

1.REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to SR-31, "Removal and Installation".
2. Perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

Is symptom still present?

YES >> GO TO 2.
NO >> Inspection End.

2.REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-51, "DRIVER SIDE : Seat Cushion".
2. Perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

>> Inspection End.

SEAT BELT INDCTR LAMP IS ON, PASS AIR BAG INDCTR IS ON OR OFF

Description

INFOID:0000000014626160

Vehicle conditions:
- Seat belt indicator lamp is ON, passenger air bag indicator lamp is ON or OFF
- Passenger seat is unoccupied
- Driver seat belt is buckled
- Passenger seat belt buckle harness and seat belt buckle switch are OK (buckle passenger seat belt to check if seat belt indicator lamp turns OFF, driver seat belt needs to be buckled)

Diagnosis Procedure

INFOID:0000000014626161

1.REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to SR-31, "Removal and Installation".
2. Perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

Is symptom still present?

YES >> GO TO 2.
NO >> Inspection End.

2.REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-51, "DRIVER SIDE : Seat Cushion".
2. Perform zero point reset. Refer to SRC-38, "ZERO POINT RESET : Description".

>> Inspection End.