SECTION SRC
SRS AIRBAG CONTROL SYSTEM

CONTENTS

PRECAUTION

PRECAUTIONS

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

INFOID:0000000012600947

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 Airbag Diagnosis Sensor Unit or other Airbag 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.**

Precaution for SRS "AIR BAG" and "SEAT BELT PRE-TENSIONER" Service

INFOID:0000000012600948

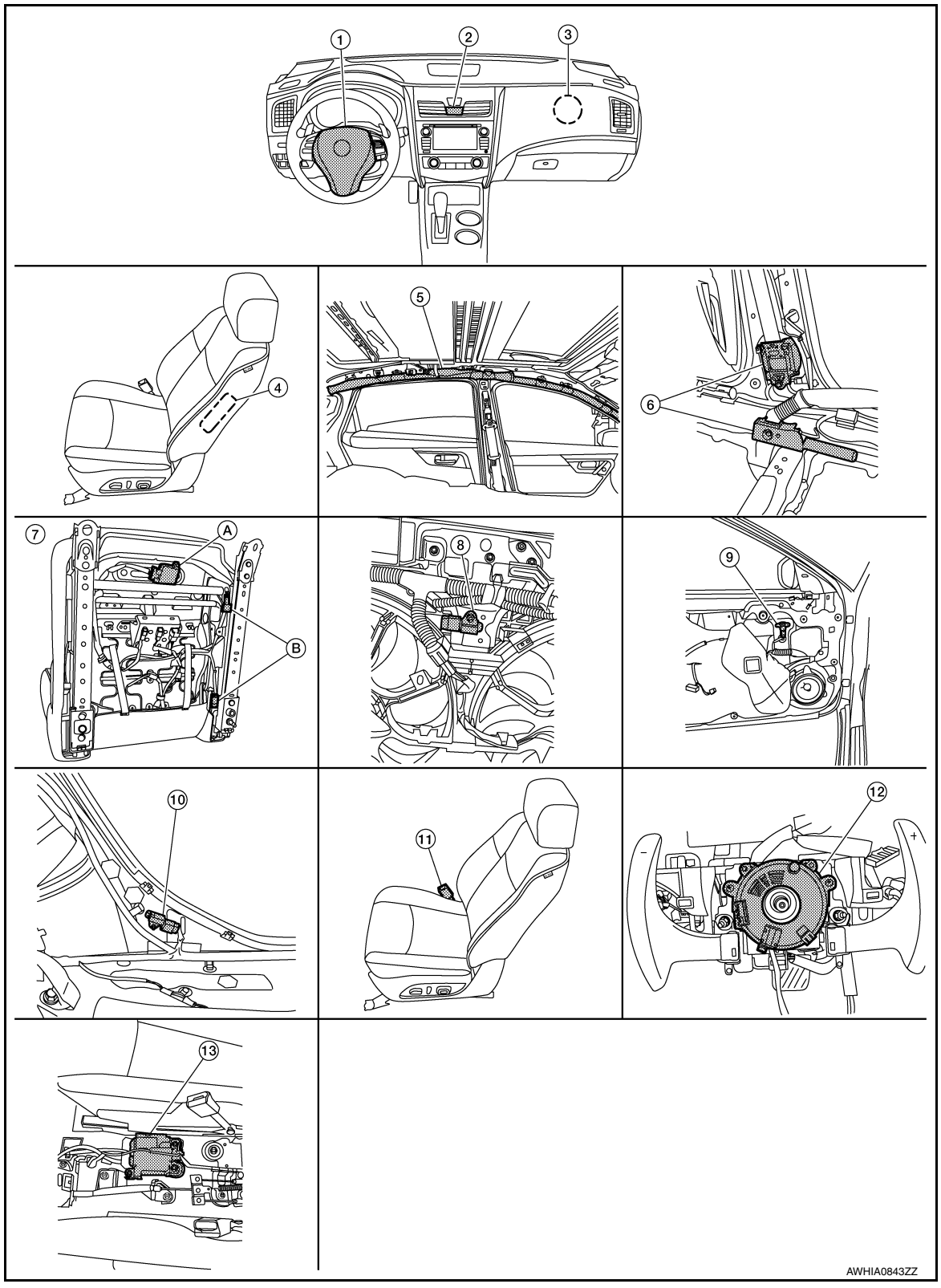
- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect both battery cables and wait at least 3 minutes.
  For approximately 3 minutes after the cables are removed, it is still possible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

SYSTEM DESCRIPTION

COMPONENT PARTS

Component Parts Location

INFOID:0000000012600949



1. Driver air bag module
2. Front passenger air bag off indicator
3. Front passenger air bag module
4. Front LH side air bag module (RH similar)
5. LH side curtain air bag module (view with headliner removed) (RH similar)
6. Front LH seat belt pre-tensioner (view with lower center pillar cover LH removed) (RH similar)
7. Occupant classification system control unit (A) Occupant classification system sensors (B) (view with front passenger seat removed)
8. Crash zone sensor (view with air intake removed)
9. Front door satellite sensor LH (view with front door finisher LH removed) (RH similar)
10. Rear side air bag satellite sensor LH (view with dash side lower finisher LH removed) (RH similar)
11. Seat belt buckle switch (LH) (RH seat similar)
12. Spiral cable (view with steering wheel removed)
13. Air bag diagnosis sensor unit (view with center console assembly removed)

Component Description

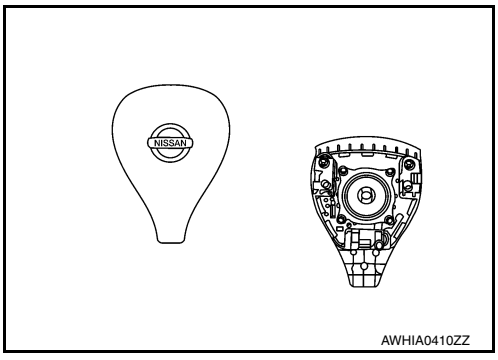
INFOID:0000000012600950

Component	Function
Air bag diagnosis sensor unit	Refer to SRC-8, "Air Bag Diagnosis Sensor Unit".
Driver air bag module	Refer to SRC-6, "Driver Air Bag Module".
Front passenger air bag module	Refer to SRC-7, "Front Passenger Air Bag Module".
Front side air bag module	Refer to SRC-7, "Front Side Air Bag Module".
Side curtain air bag module	Refer to SRC-7, "Side Curtain Air Bag Module".
Front seat belt pre-tensioner	Refer to SRC-7, "Front Seat Belt Pre-tensioner".
Occupant classification system	Refer to SRC-11, "OCCUPANT CLASSIFICATION SYSTEM : System Description".
Crash zone sensor	Refer to SRC-8, "Crash Zone Sensor".
Rear side air bag satellite sensor	Refer to SRC-8, "Rear Side Air Bag Satellite Sensor".
Front door satellite sensor	Refer to SRC-8, "Front Door Satellite Sensor".
Seat belt buckle switch	The driver seat belt buckle switch and passenger seat belt buckle switch provide the seat belt buckle signals to the air bag diagnosis sensor unit and the combination meter.
Spiral cable	The spiral cable provides a rotating physical connection to the driver air bag module.
Combination meter	The combination meter displays the air bag warning lamp and the seat belt warning lamp. The air bag warning lamp is used for diagnosis in User Mode and may be used to display diagnostic trouble codes without the use of the CONSULT.

Driver Air Bag Module

INFOID:0000000012600951

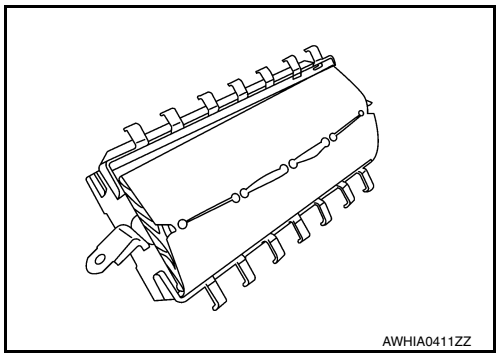
The driver air bag module is dual stage and located in the steering wheel assembly. It operates with the SRS system in a frontal collision exceeding a specified level.



Front Passenger Air Bag Module

INFOID:0000000012600952

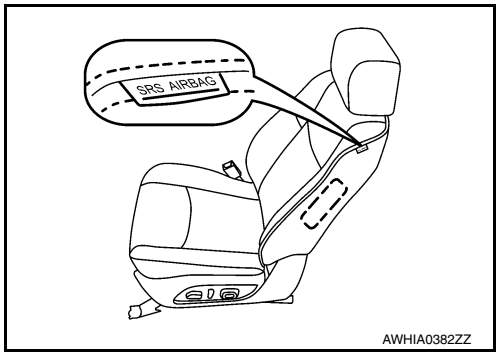
The front passenger air bag module is dual stage and is located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to SRC-10, "SRS AIR BAG SYSTEM : System Description" for more information.



Front Side Air Bag Module

INFOID:0000000012600953

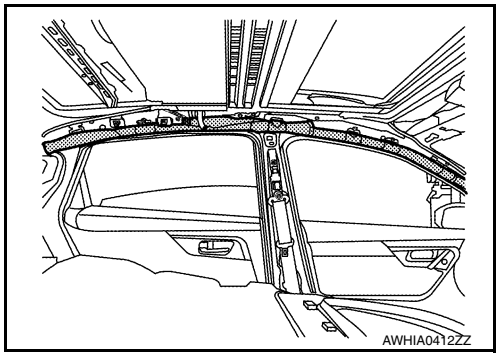
Front side air bag modules are built into the front seatback assemblies. Vehicles with side air bags are equipped with labels as shown.



Side Curtain Air Bag Module

INFOID:0000000012600954

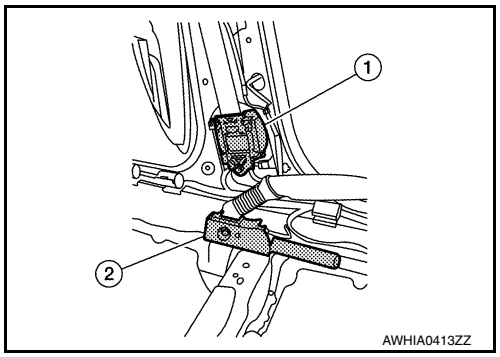
Side curtain air bag modules are located above the vehicle headlining. Vehicles with side curtain air bags are equipped with labels on the pillar upper finishers.



Front Seat Belt Pre-tensioner

INFOID:0000000012600955

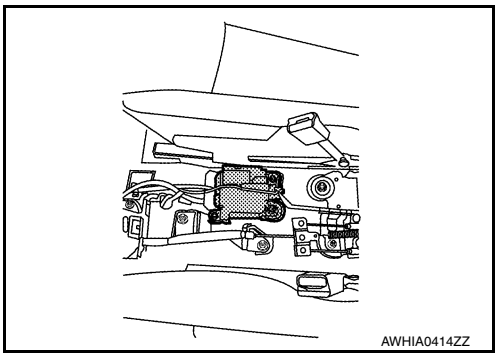
The seat belt pre-tensioner system with load limiter is installed for both the driver's seat and the front passenger's seat. It operates simultaneously with the SRS air bag system in the event of a frontal collision with an impact exceeding a specified level.
When the frontal collision with an impact exceeding a specified level occurs, seat belt slack resulting from clothing or other factors is immediately taken up by the shoulder belt pre-tensioner (1) as well as the lap belt pre-tensioner (2). 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

INFOID:0000000012600956

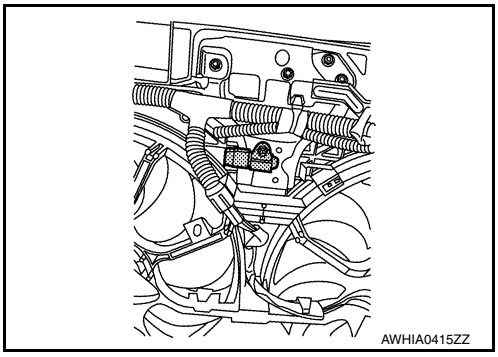
The air bag diagnosis sensor unit is located under the center console assembly. The air bag diagnosis sensor unit receives signals from multiple SRS sensors and controls the deployment of the air bags. The deployment of the air bags depends on the type and severity of the collision. The air bag diagnosis 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

INFOID:0000000012600957

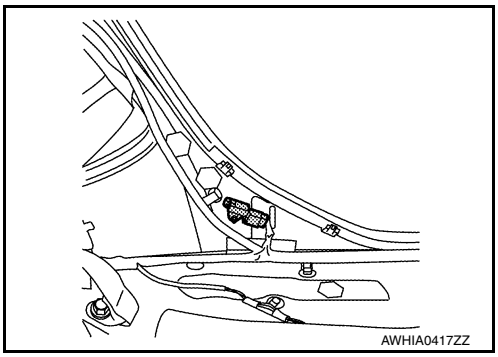
The crash zone sensor is located behind the radiator and underneath the front air duct. The crash zone sensor sends signals to the air bag diagnosis sensor unit during a frontal collision. This sensor may be identified by a yellow connector.



Rear Side Air Bag Satellite Sensor

INFOID:0000000012600959

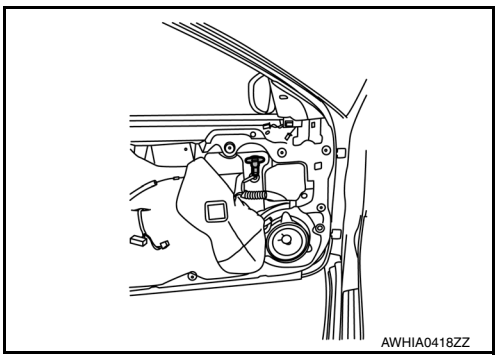
The rear side air bag satellite sensors are located behind the dash side lower finisher LH and RH. The rear side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



Front Door Satellite Sensor

INFOID:0000000012600960

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



SRS Component Connectors

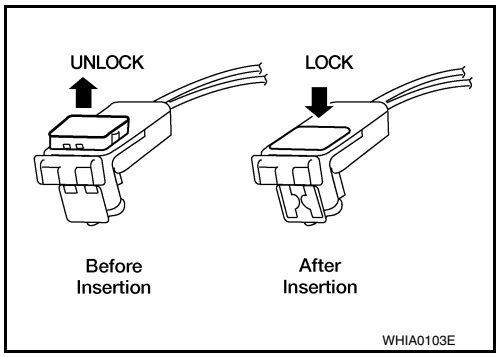
INFOID:0000000012600961

DIRECT CONNECT

The following SRS components use direct-connect style harness connectors.

- Driver front air bag module
- Passenger front air bag module
- LH side curtain air bag module
- RH side curtain air bag module
- Front LH seat belt pre-tensioner
- Front RH seat belt pre-tensioner

Always pull up to release locking tab prior to removing connector from SRS component.
Always push down to lock locking tab after installing connector to SRS component. When locked, the locking tab is level with the connector housing.

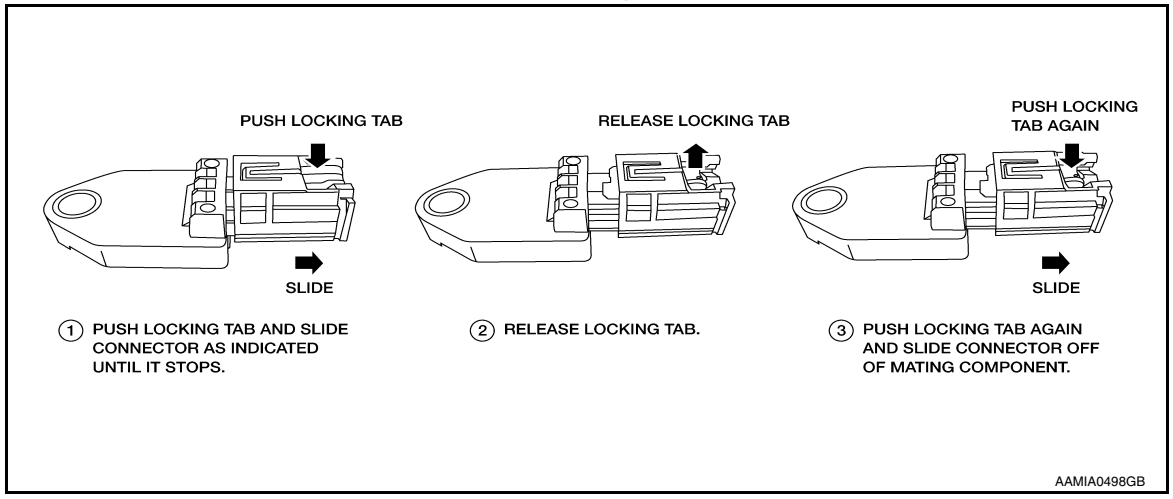


SLIDE DOUBLE LOCKING

- A new style slide double locking type connector is used on certain systems and components, especially those related to airbag control systems.
- The slide double locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide double locking type connectors are disconnected by pushing or pulling the slider. Refer to the figure below.

CAUTION:

- **Do not pull the harness or wires when disconnecting the connector.**

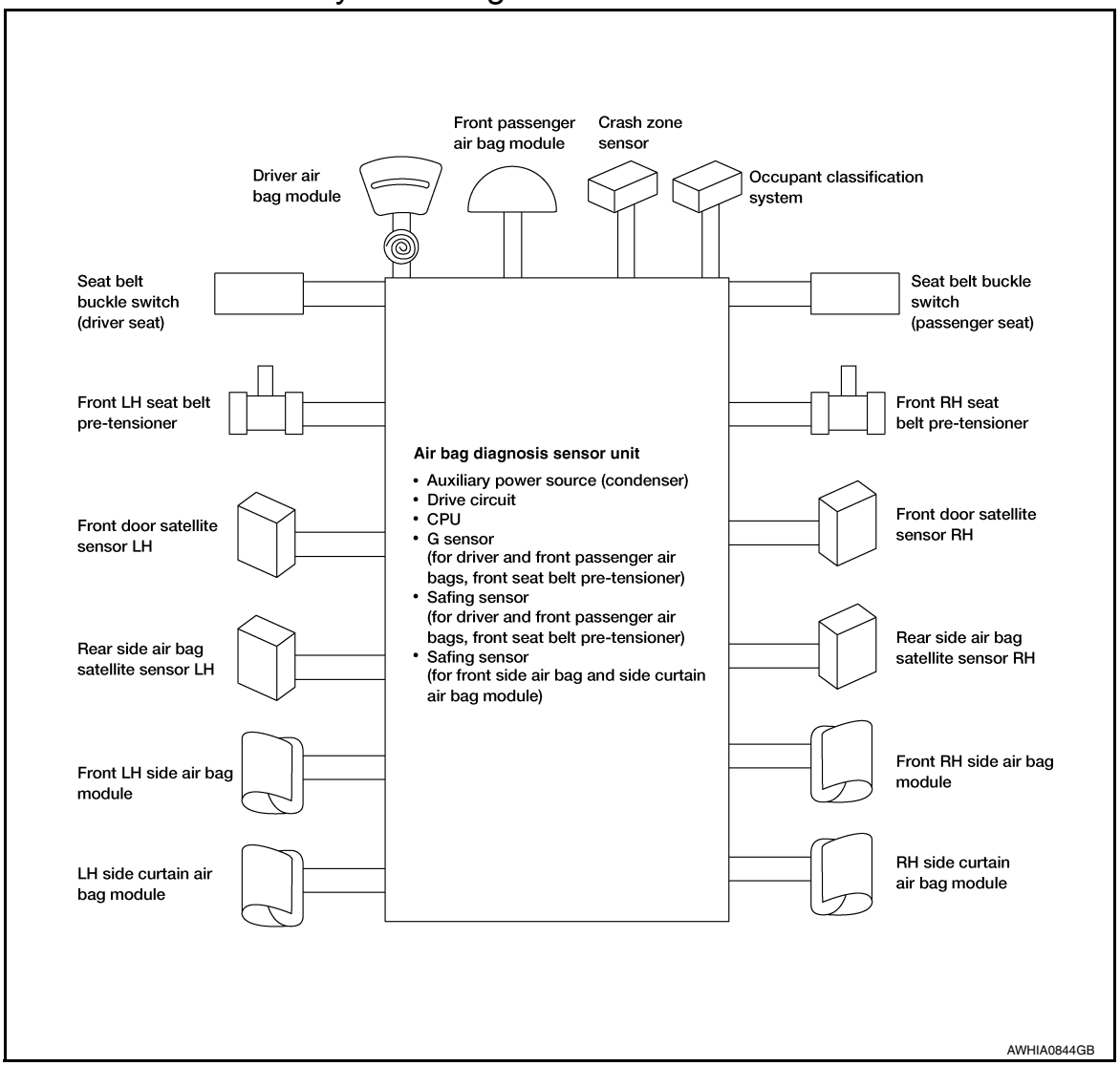


SYSTEM

SRS AIR BAG SYSTEM

SRS AIR BAG SYSTEM : System Diagram

INFOID:0000000012600962



SRS AIR BAG SYSTEM : System Description

INFOID:0000000012600963

- 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

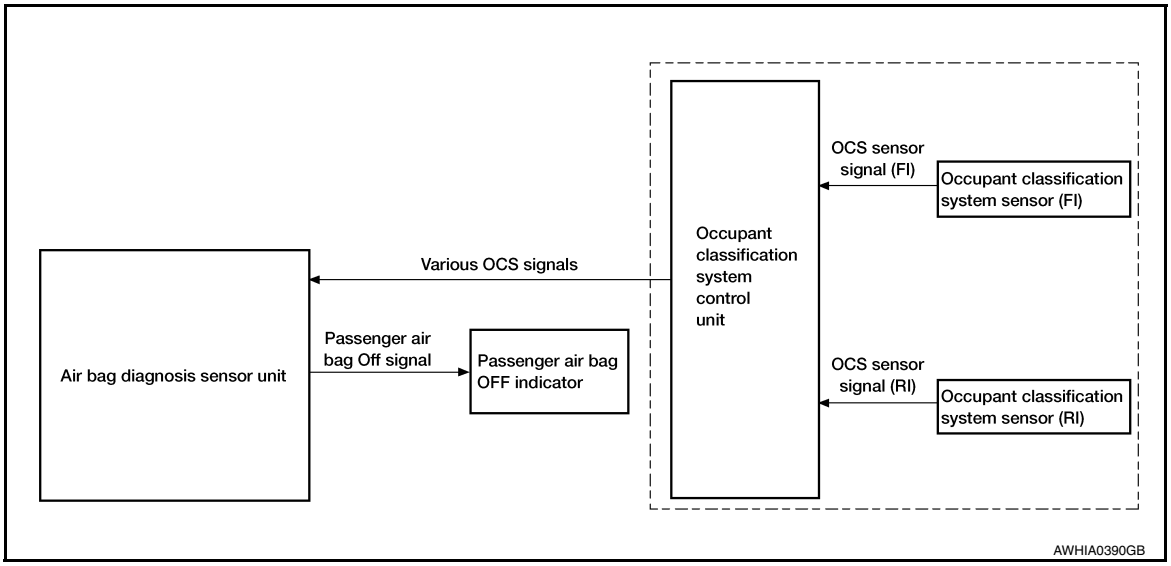
SRS configuration	Frontal collision	Left side collision	Right side collision	Rollover
Driver air bag module	x	—	—	—
Front passenger air bag module	x	—	—	—
Front LH seat belt pre-tensioner	x	—	—	x
Front RH seat belt pre-tensioner	x	—	—	x
Front LH side air bag module	—	x	—	—

SRS configuration	Frontal collision	Left side collision	Right side collision	Rollover
Front RH side air bag module	—	—	x	—
LH side curtain air bag module	—	x	—	x
RH side curtain air bag module	—	—	x	x

OCCUPANT CLASSIFICATION SYSTEM

OCCUPANT CLASSIFICATION SYSTEM : System Diagram

INFOID:0000000012600964



OCCUPANT CLASSIFICATION SYSTEM : System Description

INFOID:0000000012600965

The occupant classification system (OCS) identifies different size occupants, out of position occupants, and detects if a child seat is present in the front passenger seat. The OCS control unit (2) receives inputs from the occupant classification sensors (1) (located inside the passenger seat cushion 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 (passenger seat) 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:

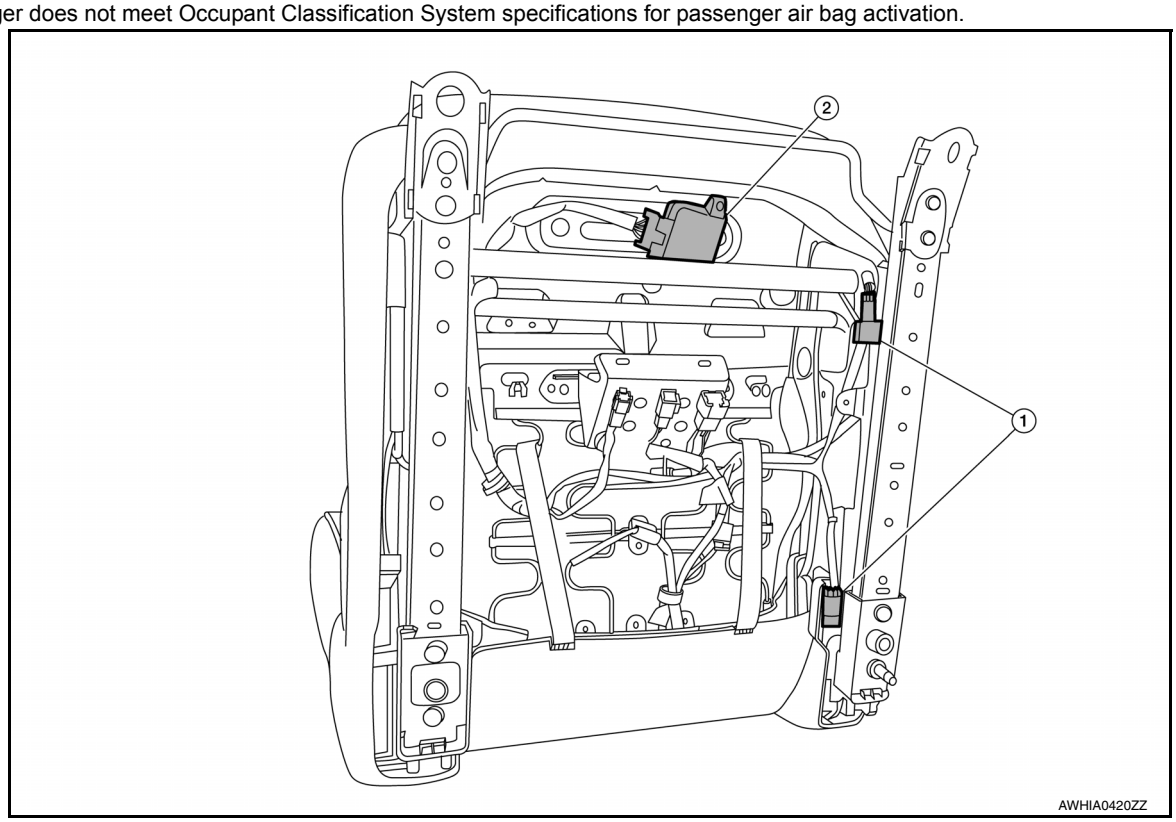
- CONSULT can be used to confirm when “zero point reset” for OCS is complete.
- Always perform zero point reset after the removal and installation of the seat or when disconnecting the OCS control unit harness connector even if zero point reset has been completed in the past.
- If zero point reset is 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	OFF	Deactivated (disabled)	OFF

NOTE:

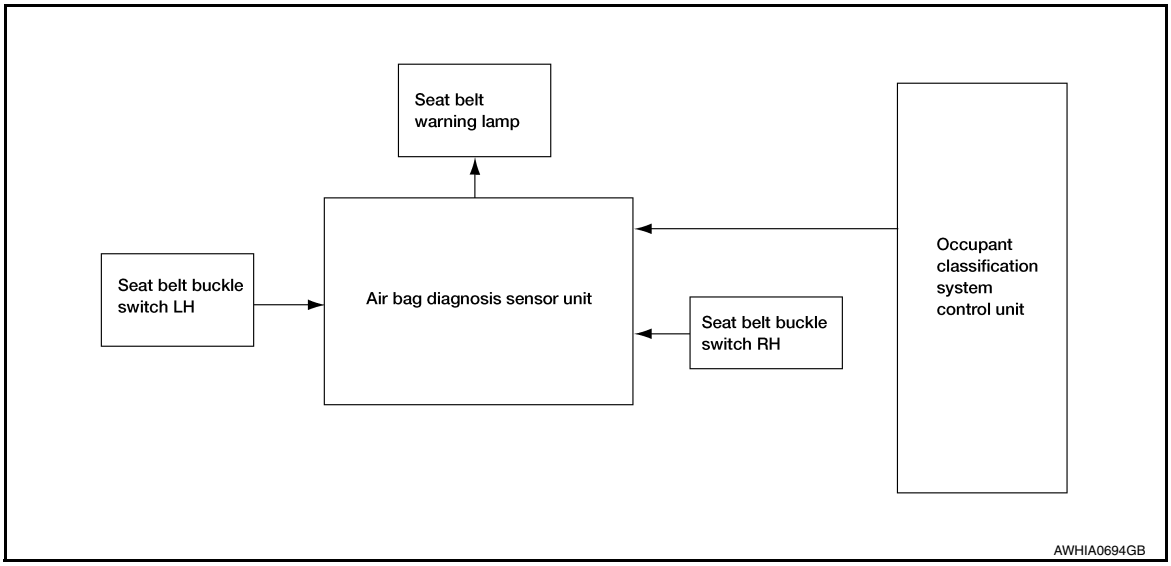
Passenger does not meet Occupant Classification System specifications for passenger air bag activation.



SEAT BELT WARNING LAMP SYSTEM

SEAT BELT WARNING LAMP SYSTEM : System Diagram

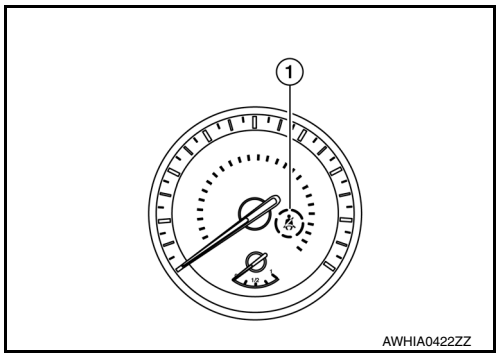
INFOID:0000000012600966



SEAT BELT WARNING LAMP SYSTEM : System Description

INFOID:0000000012600967

The seat belt warning lamp (1) will remind the driver if the driver or front passenger (US/CAN models) seat belt should be buckled. The system works in conjunction with the occupant classification system. Refer to SRC-11, "OCCUPANT CLASSIFICATION SYSTEM : System Description".



Seat Belt Warning System Operation (US/CAN models only)

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

DIAGNOSIS SYSTEM (AIR BAG)

Diagnosis Description

INFOID:0000000012600968

CAUTION:

- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to do so in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harness connectors.**
- **Do not attempt to repair, splice or modify SRS wiring harnesses. If a harness is damaged, replace it with a new one.**
- **Keep ground connections clean.**

HOW TO PERFORM TROUBLE DIAGNOSES FOR QUICK AND ACCURATE REPAIR

1. Obtain information about the symptom.
- WHAT - vehicle model
- WHEN - date, frequencies
- WHERE - road conditions
- HOW - operating conditions, symptoms, passengers
2. Perform Preliminary Check.
- Battery
- Fuses
- Harness connections

DIAGNOSIS METHODS

SRS self-diagnosis results can be read by using the AIR BAG warning lamp or CONSULT.
The User Mode is for the customer (driver). This mode warns the driver of a system malfunction through the AIR BAG warning lamp.
The Diagnosis Mode is for the technician. This mode helps the technician locate the malfunctioning circuit or part.

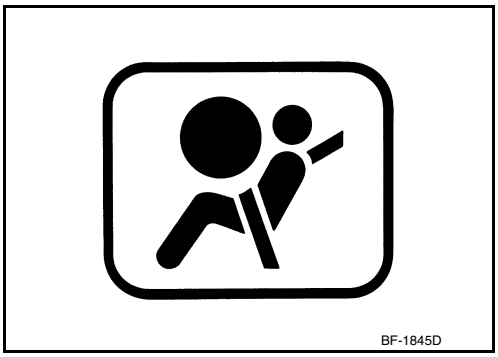
	User Mode	Diagnosis Mode	Display type
AIR BAG warning lamp	X	X	ON/OFF
CONSULT	—	X	Monitoring

SRS Operation Check

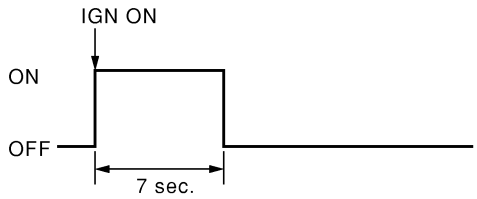
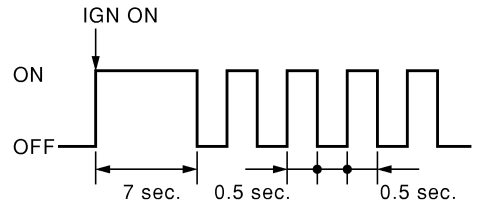
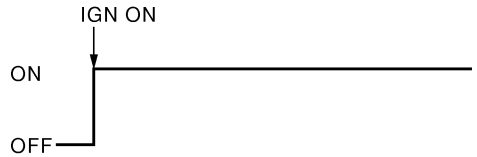
INFOID:0000000012600969

USER MODE

1. Turn the ignition switch from OFF to ON and check that the air bag warning lamp flashes.
2. Compare the flashing pattern with the examples in the table.



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-16, "Trouble Diagnosis without CONSULT".
	Zero point reset is incomplete.	Refer to SRC-41, "ZERO POINT RESET : Special Repair Requirement".
 SHIA0013E	• Air bag is deployed. • Seat belt pre-tensioner is deployed.	Refer to SR-5, "For Frontal Collision" or SR-7, "For Side and Rollover 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-118, "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-117, "AIR BAG Warning Lamp Does Not Turn On".

Trouble Diagnosis with CONSULT

INFOID:0000000012600970

1. Connect CONSULT.
2. DTC is displayed on SELF-DIAG RESULTS.

NOTE:
If a malfunction is not detected on “SELF-DIAG RESULTS [CURRENT]”, but a malfunction is detected during SRS Operation Check, the following cases may exist:
- “SELF-DIAG [PAST]” memory might not be erased. Refer to SRC-16, "SRS Final Check".
- SRS system malfunctions intermittently. Refer to SRC-42, "Inspection Procedure".

Trouble Diagnosis without CONSULT

INFOID:0000000012600971

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-22, "Flash Code Index".

SRS History Check

INFOID:0000000012600972

SRS HISTORY CHECK

1. Check repair history of the SRS. If no repairs have been made, perform SRC-14, "SRS Operation Check". If repairs have been made, GO TO step 2.
2. Erase “SELF-DIAG [PAST]” after repair. Refer to SRC-16, "SRS Final Check".

SRS Final Check

INFOID:0000000012600973

DIAGNOSIS MODE

1. Connect CONSULT.
2. Confirm that zero point reset of OCS is complete.
3. If no DTCs are detected on “SELF-DIAG RESULTS [CURRENT]”, repair of SRS is completed. Go to step 4.
   If any DTCs are detected on “SELF-DIAG RESULTS [CURRENT]”, the malfunction has not been repaired completely or another malfunction is being detected. Perform SRS Operation Check again. Refer to SRC-14, "SRS Operation Check".
4. Touch “ERASE”.
   NOTE:
   Touching “ERASE” will clear the SRS memory of the malfunction (“SELF-DIAG [PAST]”). If “SELF-DIAG [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-DIAG [PAST]”.
6. Exit Diagnosis Mode and disconnect the CONSULT.
7. Perform SRS Operation Check. Refer to SRC-14, "SRS Operation Check".

CONSULT Function (AIR BAG)

INFOID:0000000012600974

CAUTION:
After disconnecting the CONSULT vehicle interface (VI) from the data link connector, the ignition must be cycled OFF → ON (for at least 5 seconds) → OFF. If this step is not performed, the BCM may not go to ”sleep mode”, potentially causing a discharged battery and a no-start condition.

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

Diagnostic Test Mode	Diagnostic Item	Description
Self Diagnostic Result	SELF-DIAG RESULT [CURRENT]	A current Self-diagnosis 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, diagnosis results previously erased by a reset operation can be displayed on the CONSULT screen.

CONSULT Function (OCCUPANT DETECTION)

INFOID:0000000012600975

CAUTION:

After disconnecting the CONSULT vehicle interface (VI) from the data link connector, the ignition must be cycled OFF → ON (for at least 5 seconds) → OFF. If this step is not performed, the BCM may not go to "sleep mode", potentially causing a discharged battery and a no-start condition.

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

Diagnostic Test Mode	Diagnostic Item	Description
Work support	ZERO POINT RESET FUNCTION	Perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Special Repair Requirement".

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

INFOID:0000000012600976

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
U1000–01	CAN COMM CIRCUIT	—	—	SRC-43, "Diagnosis Procedure"
U1010–49	CONTROL UNIT (CAN)	—	—	SRC-44, "Diagnosis Procedure"
B0001–00	DRIVER AIRBAG MODULE [SHORT]	Front air bag system	1	SRC-46, "Diagnosis Procedure"
B0001–09	DRIVER AIRBAG MODULE [SHORT]			
B0001–11	DRIVER AIRBAG MODULE [GND-SHORT]			
B0001–12	DRIVER AIRBAG MODULE [VB-SHORT]			
B0001–13	DRIVER AIRBAG MODULE [OPEN]			
B0001–1A	DRIVER AIRBAG MODULE [SHORT]			
B0002–00	DRIVER AIRBAG MODULE 2 [SHORT]	Front air bag system	1	SRC-50, "Diagnosis Procedure"
B0002–09	DRIVER AIRBAG MODULE 2 [SHORT]			
B0002–11	DRIVER AIRBAG MODULE 2 [GND-SHORT]			
B0002–12	DRIVER AIRBAG MODULE 2 [VB-SHORT]			
B0002–13	DRIVER AIRBAG MODULE 2 [OPEN]			
B0002–1A	DRIVER AIRBAG MODULE 2 [SHORT]			
B0010–09	ASSIST A/B MODULE [SHORT]	Front air bag system	2	SRC-54, "Diagnosis Procedure"
B0010–11	ASSIST A/B MODULE [GND-SHORT]			
B0010–12	ASSIST A/B MODULE [VB-SHORT]			
B0010–13	ASSIST A/B MODULE [OPEN]			
B0010–1A	ASSIST A/B MODULE [SHORT]			
B0011–09	ASSIST A/B MODULE 2 [SHORT]	Front air bag system	2	SRC-57, "Diagnosis Procedure"
B0011–11	ASSIST A/B MODULE 2 [GND-SHORT]			
B0011–12	ASSIST A/B MODULE 2 [VB-SHORT]			
B0011–13	ASSIST A/B MODULE 2 [OPEN]			
B0011–1A	ASSIST A/B MODULE 2 [SHORT]			
B0020–09	SIDE A/B MODULE LH [SHORT]	Side air bag system	1	SRC-60, "Diagnosis Procedure"
B0020–11	SIDE A/B MODULE LH [GND-SHORT]			
B0020–12	SIDE A/B MODULE LH [VB-SHORT]			
B0020–13	SIDE A/B MODULE LH [OPEN]			
B0020–1A	SIDE A/B MODULE LH [SHORT]			
B0021–09	CURTAIN A/B MODULE LH [SHORT]	Side air bag system	3	SRC-63, "Diagnosis Procedure"
B0021–11	CURTAIN A/B MODULE LH [GND-SHORT]			
B0021–12	CURTAIN A/B MODULE LH [VB-SHORT]			
B0021–13	CURTAIN A/B MODULE LH [OPEN]			
B0021–1A	CURTAIN A/B MODULE LH [SHORT]			

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B0028–09	SIDE A/B MODULE RH [SHORT]	Side air bag system	2	SRC-66, "Diagnosis Procedure"
B0028–11	SIDE A/B MODULE RH [GND-SHORT]			
B0028–12	SIDE A/B MODULE RH [VB-SHORT]			
B0028–13	SIDE A/B MODULE RH [OPEN]			
B0028–1A	SIDE A/B MODULE RH [SHORT]			
B0029–09	CURTAIN A/B MODULE RH [SHORT]	Side air bag system	4	SRC-69, "Diagnosis Procedure"
B0029–11	CURTAIN A/B MODULE RH [GND-SHORT]			
B0029–12	CURTAIN A/B MODULE RH [VB-SHORT]			
B0029–13	CURTAIN A/B MODULE RH [OPEN]			
B0029–1A	CURTAIN A/B MODULE RH [SHORT]			
B0092–11	C-PILLAR SAT SEN LH [GND-SHORT]	Sensor system	4	SRC-72, "Diagnosis Procedure"
B0092–23	C-PILLAR SAT SEN LH [LOWER LIMIT ERR]			
B0092–24	C-PILLAR SAT SEN LH [UPPER LIMIT ERR]			
B0092–25	C-PILLAR SAT SEN LH [SELF-DIAG ERR]			
B0092–28	C-PILLAR SAT SEN LH [OFFSET ERR]			
B0092–81	C-PILLAR SAT SEN LH [COMM ERR]			
B0092–86	C-PILLAR SAT SEN LH [UNMATCH]			
B0092–88	C-PILLAR SAT SEN LH [OPEN]			
B0092–93	C-PILLAR SAT SEN LH [RESET]			
B0093–11	DOOR SATEL SENS LH [GND-SHORT]	Sensor system	6	SRC-75, "Diagnosis Procedure"
B0093–23	DOOR SATEL SENS LH [LOWER LIMIT ERR]			
B0093–24	DOOR SATEL SENS LH [UPPER LIMIT ERR]			
B0093–25	DOOR SATEL SENS LH [SELF-DIAG ERR]			
B0093–28	DOOR SATEL SENS LH [OFFSET ERR]			
B0093–81	DOOR SATEL SENS LH [COMM ERR]			
B0093–86	DOOR SATEL SENS LH [UNMATCH]			
B0093–88	DOOR SATEL SENS LH [OPEN]			
B0093–93	DOOR SATEL SENS LH [RESET]			
B0094–11	CRASH ZONE SENS [GND-SHORT]	Sensor system	1	SRC-78, "Diagnosis Procedure"
B0094–23	CRASH ZONE SENS [LOWER LIMIT ERR]			
B0094–24	CRASH ZONE SENS [UPPER LIMIT ERR]			
B0094–25	CRASH ZONE SENS [SELF-DIAG ERR]			
B0094–28	CRASH ZONE SENS [OFFSET ERR]			
B0094–81	CRASH ZONE SENS [COMM ERR]			
B0094–86	CRASH ZONE SENS [UNMATCH]			
B0094–88	CRASH ZONE SENS [OPEN]			
B0094–93	CRASH ZONE SENS [RESET]			

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B0097–11	C-PILLAR SAT SEN RH [GND-SHORT]	Sensor system	5	SRC-81, "Diagnosis Procedure"
B0097–23	C-PILLAR SAT SEN RH [LOWER LIMIT ERR]			
B0097–24	C-PILLAR SAT SEN RH [UPPER LIMIT ERR]			
B0097-25	C-PILLAR SAT SEN RH [SELF-DIAG ERR]			
B0097–28	C-PILLAR SAT SEN RH [OFFSET ERR]			
B0097–81	C-PILLAR SAT SEN RH [COMM ERR]			
B0097–86	C-PILLAR SAT SEN RH [UNMATCH]			
B0097–88	C-PILLAR SAT SEN RH [OPEN]			
B0097–93	C-PILLAR SAT SEN RH [RESET]			
B0098–11	DOOR SATEL SENS RH [GND-SHORT]	Sensor system	7	SRC-84, "Diagnosis Procedure"
B0098–23	DOOR SATEL SENS RH [LOWER LIMIT ERR]			
B0098–24	DOOR SATEL SENS RH [UPPER LIMIT ERR]			
B0098–25	DOOR SATEL SENS RH [SELF-DIAG ERR]			
B0098–28	DOOR SATEL SENS RH [OFFSET ERR]			
B0098–81	DOOR SATEL SENS RH [COMM ERR]			
B0098–86	DOOR SATEL SENS RH [UNMATCH]			
B0098–88	DOOR SATEL SENS RH [OPEN]			
B0098–93	DOOR SATEL SENS RH [RESET]			
B0099–86	SATELLITE SENSOR [UNMATCH]	Sensor system	12	SRC-86, "Diagnosis Procedure"
B00A0–00	OCCUPANT SENS [ABNOMAL VOLTAGE]	Air bag control unit system	4	SRC-89, "Diagnosis Procedure (B00A0-00, -02 or -09)",SRC-90, "Diagnosis Procedure (B00A0-04)",SRC-91, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)",SRC-91, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)",SRC-92, "Diagnosis Procedure (B00A0-93)"
B00A0–02	OCCUPANT SENS [UNIT MALFUNC]			
B00A0–09	OCCUPANT SENS [UNIT MALFUNC]			
B00A0–04	OCCUPANT SENS C/U [UNIT MALFUNC]			
B00A0–83	OCCUPANT SENS C/U [COMM ERR]			
B00A0–86	OCCUPANT SENS C/U [COMM ERR]			
B00A0–87	OCCUPANT SENS C/U [COMM ERR]			
B00A0–88	OCCUPANT SENS C/U [COMM ERR]			
B00A0–8F	OCCUPANT SENS C/U [UNDEFINED]			
B00A0–93	OCCUPANT SENS C/U [RESET]			
B00D5–04	PASS A/B INDCTR CKT [UNIT MALFUNC]	Air bag control unit system	3	SRC-95, "Diagnosis Procedure"
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]			

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B1428–13	BUCKLE SW LH CIRCUIT [OPEN]	Air bag control unit system	8	SRC-98, "Diagnosis Procedure"
B1428–12	BUCKLE SW LH CIRCUIT [VB-SHORT]			
B1428–11	BUCKLE SW LH CIRCUIT [GND-SHORT]			
B1428–00	BUCKLE SW LH CIRCUIT [UNDEFINED]			
B1429–13	BUCKLE SW RH CIRCUIT [OPEN]		9	SRC-101, "Diagnosis Procedure"
B1429–12	BUCKLE SW RH CIRCUIT [VB-SHORT]			
B1429–11	BUCKLE SW RH CIRCUIT [GND-SHORT]			
B1429–00	BUCKLE SW RH CIRCUIT [UNDEFINED]			
B1430–09	PRE-TEN FRONT LH [SHORT]	Front air bag system	3	SRC-105, "Diagnosis Procedure"
B1430–11	PRE-TEN FRONT LH [GND-SHORT]			
B1430–12	PRE-TEN FRONT LH [VB-SHORT]			
B1430–13	PRE-TEN FRONT LH [OPEN]			
B1430–1A	PRE-TEN FRONT LH [SHORT]			
B1431–09	PRE-TEN FRONT RH [SHORT]	Front air bag system	4	SRC-109, "Diagnosis Procedure"
B1431–11	PRE-TEN FRONT RH [GND-SHORT]			
B1431–12	PRE-TEN FRONT RH [VB-SHORT]			
B1431–13	PRE-TEN FRONT RH [OPEN]			
B1431–1A	PRE-TEN FRONT RH [SHORT]			
B1432–09	PRE-TEN FRONT LH 2 [SHORT]	Front air bag system	5	SRC-105, "Diagnosis Procedure"
B1432–11	PRE-TEN FRONT LH 2 [GND-SHORT]			
B1432–12	PRE-TEN FRONT LH 2 [VB-SHORT]			
B1432–13	PRE-TEN FRONT LH 2 [OPEN]			
B1432–1A	PRE-TEN FRONT LH 2 [SHORT]			
B1433–09	PRE-TEN FRONT RH 2 [SHORT]	Front air bag system	5	SRC-109, "Diagnosis Procedure"
B1433–11	PRE-TEN FRONT RH 2 [GND-SHORT]			
B1433–12	PRE-TEN FRONT RH 2 [VB-SHORT]			
B1433–13	PRE-TEN FRONT RH 2 [OPEN]			
B1433–1A	PRE-TEN FRONT RH 2 [SHORT]			
B142A–16	IGNITION VOLTAGE [VB-LOW]	—	—	SRC-112, "Diagnosis Procedure"
B142A–17	IGNITION VOLTAGE [VB-HIGH]	—	—	

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B1400–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-115, "Diagnosis Procedure"
B1401–00				
B1402–00				
B1403–00				
B1404–00				
B1405–00				
B1406–00				
B1407–00				
B1408–00				
B1409–00				
B1410–00				
B1411–00				
B1412–00				
B1413–00				
B1414–00				
B1415–00				
B1416–00				
B1417–00				
B1418–00				
B1419–00				
B1420–00				
B1421–00	FRONTAL COLLISION	Air bag control unit system	1	SRC-113, "Diagnosis Procedure"
B1422–00	SIDE COLLISION			
B1423–00	ROLLOVER DETECTION			

Flash Code Index

INFOID:0000000012600977

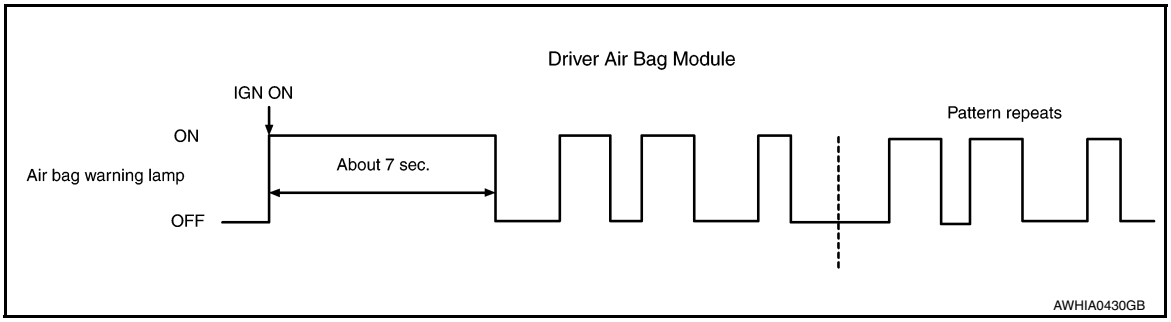
WARNING LAMP FLASH CODE CHART

How to read flash codes

1. Put the vehicle in Diagnosis Mode. Refer to SRC-16, "Trouble Diagnosis without CONSULT".
2. All codes are proceded 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.

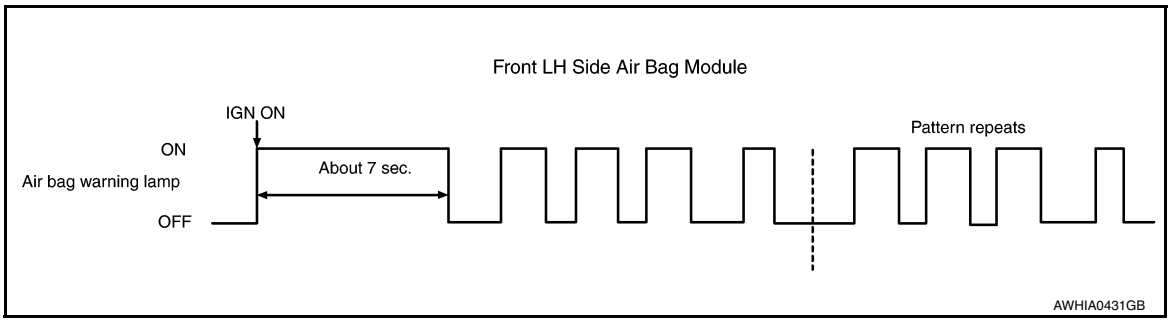
Refer to the illustrations below for an example of each flashing pattern.

Front subsystem



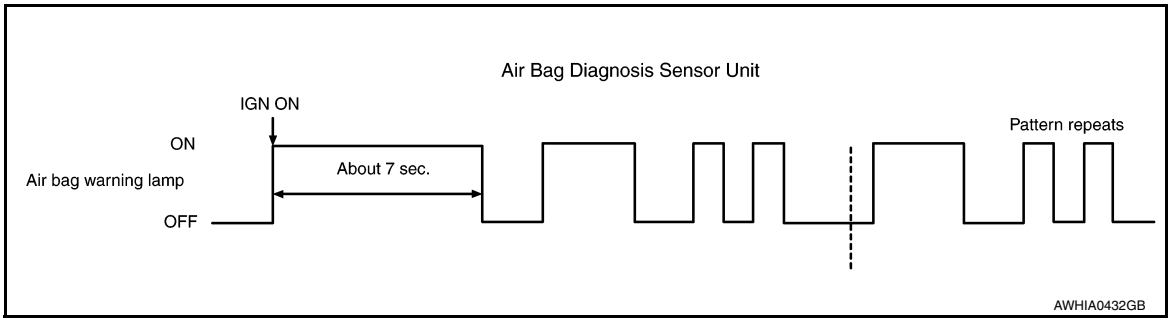
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	1	Driver air bag module	SRC-46, "Diagnosis Procedure"
		2	Passenger air bag module	SRC-54, "Diagnosis Procedure"
		3	Front LH seat belt pre-tensioner (shoulder)	SRC-105, "Diagnosis Procedure"
		4	Front RH seat belt pre-tensioner (shoulder)	SRC-109, "Diagnosis Procedure"
		5	Front LH seat belt pre-tensioner (lap)	SRC-105, "Diagnosis Procedure"
		6	Front RH seat belt pre-tensioner (lap)	SRC-109, "Diagnosis Procedure"

Side subsystem



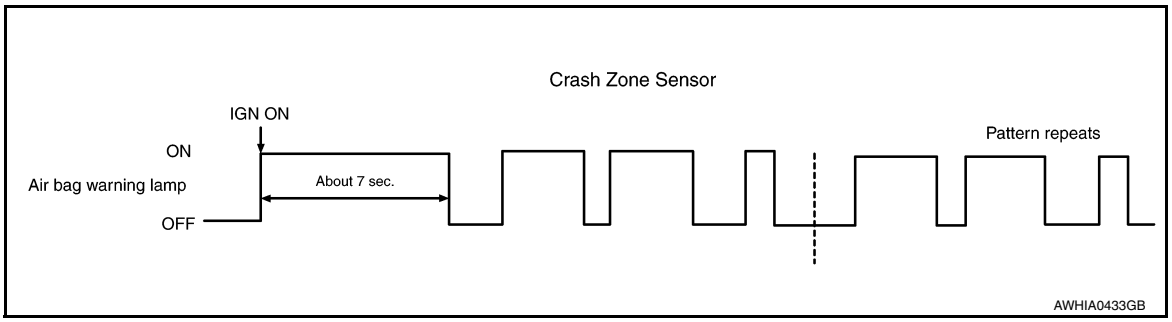
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
3	1.5	1	Front LH side air bag module	SRC-60, "Diagnosis Procedure"
		2	Front RH side air bag module	SRC-66, "Diagnosis Procedure"
		3	LH side curtain air bag module	SRC-63, "Diagnosis Procedure"
		4	RH side curtain air bag module	SRC-69, "Diagnosis Procedure"

Air bag subsystem



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	1	Collision detection	SRC-113, "Diagnosis Procedure"
		2	Air bag diagnosis sensor unit	SRC-115, "Diagnosis Procedure"
		3	Passenger air bag OFF indicator	SRC-95, "Diagnosis Procedure"
		4	Occupant classification system	SRC-89, "Diagnosis Procedure (B00A0-00, -02 or -09)",SRC-90, "Diagnosis Procedure (B00A0-04)",SRC-91, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)",SRC-92, "Diagnosis Procedure (B00A0-93)",,

Sensor subsystem



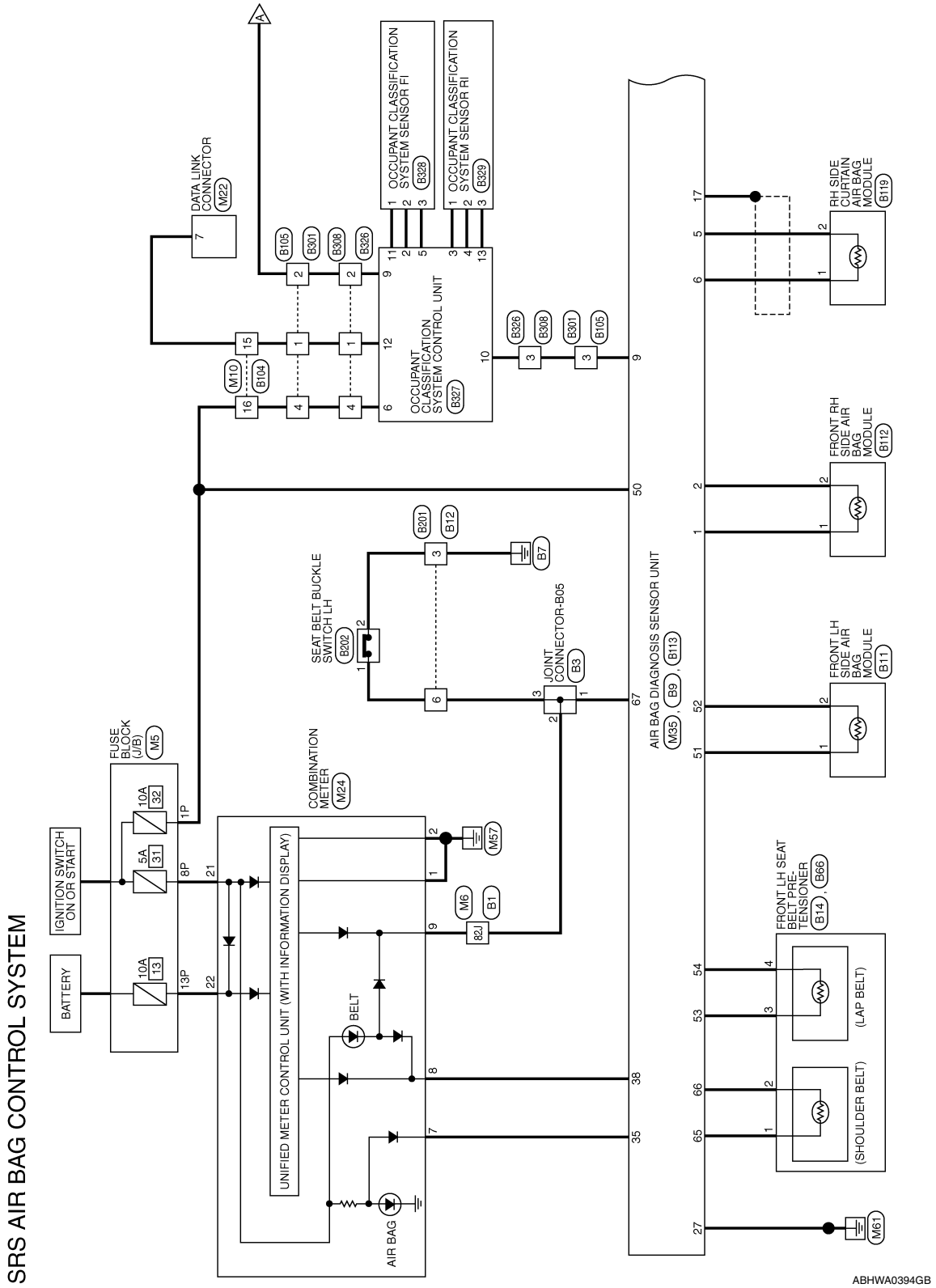
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	1	Crash zone sensor	SRC-78, "Diagnosis Procedure"
		4	Rear side air bag satellite sensor LH	SRC-72, "Diagnosis Procedure"
		5	Rear side air bag satellite sensor RH	SRC-81, "Diagnosis Procedure"
		6	Front door satellite sensor LH	SRC-75, "Diagnosis Procedure"
		7	Front door satellite sensor RH	SRC-84, "Diagnosis Procedure"
		8	Seat belt buckle switch LH	SRC-98, "Diagnosis Procedure"
		9	Seat belt buckle switch RH	SRC-101, "Diagnosis Procedure"
		12	Satellite sensor	SRC-86, "Diagnosis Procedure"

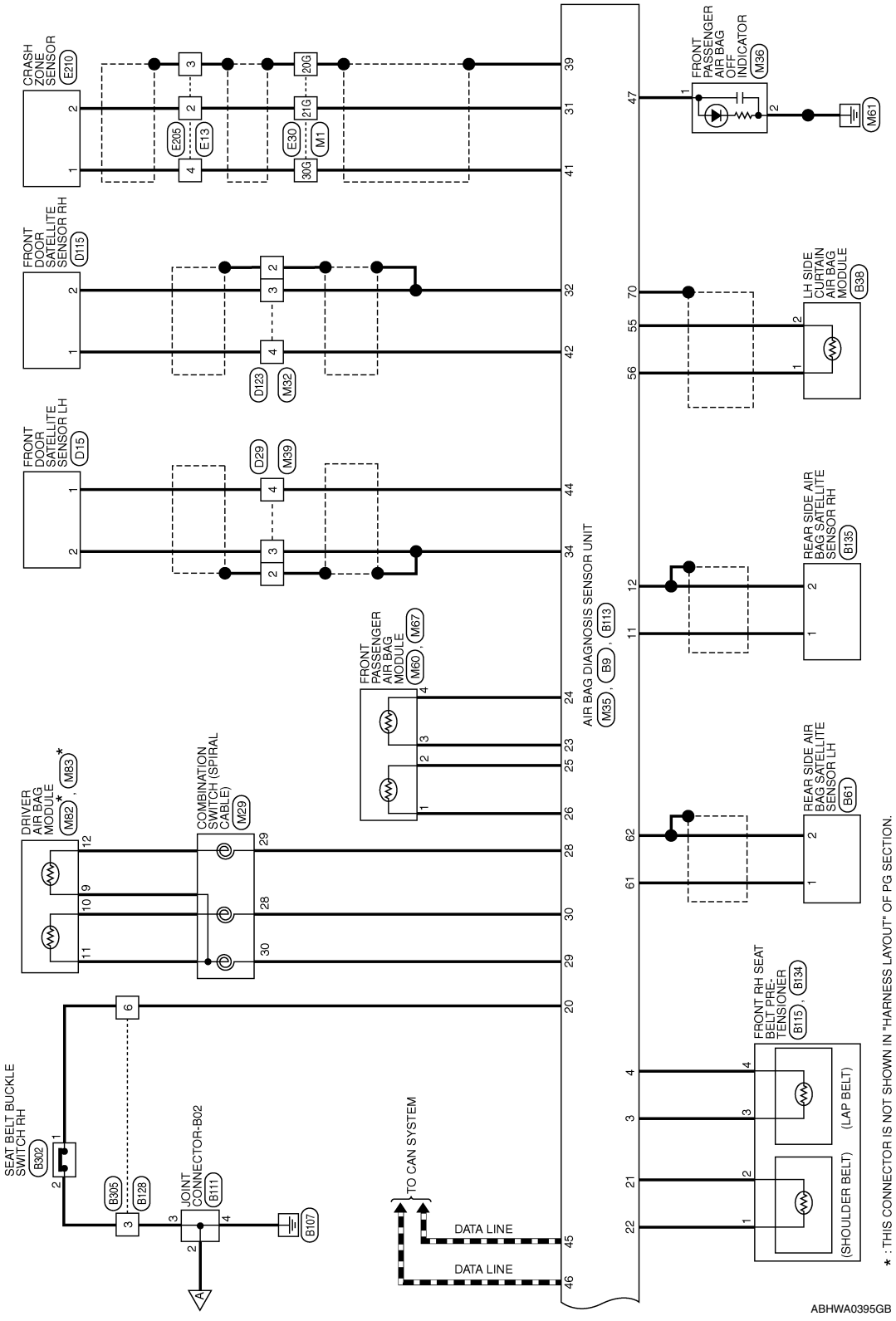
WIRING DIAGRAM

SRS AIR BAG SYSTEM

Wiring Diagram

INFOID:0000000012600978




CRASH ZONE SENSOR E210
FRONT DOOR SATELLITE SENSOR RH D115
FRONT DOOR SATELLITE SENSOR LH D15
AIR BAG DIAGNOSIS SENSOR UNIT M35, E9, B113
FRONT PASSENGER AIR BAG MODULE M60, M67
DRIVER AIR BAG MODULE M82, M83
COMBINATION SWITCH (SPIRAL CABLE) M29
SEAT BELT BUCKLE SWITCH RH B302
JOINT CONNECTOR-B02 B111
TO CAN SYSTEM
DATA LINE
DATA LINE
FRONT PASSENGER AIR BAG OFF INDICATOR M36
LH SIDE CURTAIN AIR BAG MODULE B38
REAR SIDE AIR BAG SATELLITE SENSOR RH B135
REAR SIDE AIR BAG SATELLITE SENSOR LH B61
FRONT RH SEAT BELT PRE-TENSIONER B115, B134
(LAP BELT)
(SHOULDER BELT)
* : THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.
ABHWA0395GB

SRS AIR BAG CONTROL SYSTEM CONNECTORS

Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1G	2G	3G	4G	5G
6G	7G	8G	9G	10G

11G	12G	13G	14G	15G	16G	17G	18G	19G	20G	21G
22G	23G	24G	25G	26G	27G	28G	29G	30G		

31G	32G	33G	34G	35G	36G	37G	38G	39G	40G	41G
42G	43G	44G	45G	46G	47G	48G	49G	50G		

51G	52G	53G	54G	55G	56G	57G	58G	59G	60G	61G
62G	63G	64G	65G	66G	67G	68G	69G	70G		

71G	72G	73G	74G	75G	76G	77G	78G	79G	80G	81G
82G	83G	84G	85G	86G	87G	88G	89G	90G		

91G	92G	93G	94G	95G
96G	97G	98G	99G	100G

Terminal No.	Color of Wire	Signal Name
20G	SHIELD	–
21G	B	–
30G	W	–

Connector No.	M5
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
1P	P	–
8P	BR	–
13P	G	–

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Color	GRAY

H.S.

1J	2J	3J	4J	5J
6J	7J	8J	9J	10J

11J	12J	13J	14J	15J	16J	17J	18J	19J	20J	21J
22J	23J	24J	25J	26J	27J	28J	29J	30J		

31J	32J	33J	34J	35J	36J	37J	38J	39J	40J	41J
42J	43J	44J	45J	46J	47J	48J	49J	50J		

51J	52J	53J	54J	55J	56J	57J	58J	59J	60J	61J
62J	63J	64J	65J	66J	67J	68J	69J	70J		

71J	72J	73J	74J	75J	76J	77J	78J	79J	80J	81J
82J	83J	84J	85J	86J	87J	88J	89J	90J		

91J	92J	93J	94J	95J
96J	97J	98J	99J	100J

Terminal No.	Color of Wire	Signal Name
82J	V	–

ABHIA0485GB

Connector No.	M24
Connector Name	COMBINATION METER
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
1	B	GND1
2	B	GND2
7	R	AIR BAG
8	W	AS BELT
9	V	DR BUCKLE SW
21	BR	IGN
22	G	BAT

Connector No.	M22
Connector Name	DATA LINK CONNECTOR
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
7	R	–

Connector No.	M10
Connector Name	WIRE TO WIRE
Connector Color	BROWN

H.S.

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

Terminal No.	Color of Wire	Signal Name
15	R	–
16	R	–

Connector No.	M32
Connector Name	WIRE TO WIRE
Connector Color	YELLOW

H.S.

1	2	3	4

Terminal No.	Color of Wire	Signal Name
2	SHIELD	–
3	B	–
4	W	–

Connector No.	M29
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	YELLOW

H.S.

23	26	34
28	29	30

Terminal No.	Color of Wire	Signal Name
28	LG	–
29	BR	–
30	Y	–

ABHIA0698GB

Connector No.	M35
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
23	R	AS2 (+)
24	W	AS2 (-)
25	P	AS1 (-)
26	G	AS1 (+)
27	B	GND
28	BR	DR2 (+)
29	Y	DR1 (-) & DR2 (-)
30	LG	DR1 (+)
31	B	ECZS (-)
32	B	RH DOOR-SAT (-)
34	B	LH DOOR-SAT (-)
35	R	AWL
38	W	SBR
39	SHIELD	GND
41	W	ECZS (+)
42	W	RH DOOR-SAT (+)
44	W	LH DOOR-SAT (+)
45	P	CAN-L
46	L	CAN-H
47	R	TELLTALE LAMP
50	P	IGN

Connector No.	M36
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Color	BROWN

H.S.

Terminal No.	Color of Wire	Signal Name
1	R	–
2	GR	–

Connector No.	M39
Connector Name	WIRE TO WIRE
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
2	SHIELD	–
3	B	–
4	W	–

Connector No.	M60
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Color	ORANGE

H.S.

Terminal No.	Color of Wire	Signal Name
1	G	–
2	P	–

ABHIA1218GB

Connector No.	M67
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
3	R	–
4	W	–

Connector No.	M82
Connector Name	DRIVER AIR BAG MODULE
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
9	R	–
12	Y	–

Connector No.	M83
Connector Name	DRIVER AIR BAG MODULE
Connector Color	ORANGE

H.S.

Terminal No.	Color of Wire	Signal Name
10	G	–
11	L	–

Connector No.	E13
Connector Name	WIRE TO WIRE
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
2	B	–
3	SHIELD	–
4	W	–

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
20G	SHIELD	–
21G	B	–
30G	W	–

AAHIA0331GB

Connector No.	E205
Connector Name	WIRE TO WIRE
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
2	B	–
3	SHIELD	–
4	W	–

Connector No.	E210
Connector Name	CRASH ZONE SENSOR
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	W	–
2	B	–

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
82J	LG	–

Connector No.	B3
Connector Name	JOINT CONNECTOR-B05
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	LG	–
2	LG	–
3	LG	–

ABHIA0489GB

Connector No.	B9
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
51	Y	LH SQUIB #1 (+)
52	BR	LH SQUIB #1 (-)

Terminal No.	Color of Wire	Signal Name
53	R	LH SQUIB #2 (+)
54	BG	LH SQUIB #2 (-)
55	W	LH SQUIB #3 (-)
56	B	LH SQUIB #3 (+)
61	W	LH C-SAT (+)
62	B	LH C-SAT (-)
65	G	P-LH1 (+)
66	P	P-LH1 (-)
67	LG	LH BUCKLE SW (+)
70	SHIELD	GND

Connector No.	B11
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	Y	–
2	BR	–

Connector No.	B12
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
3	B	–
6	LG	–

Connector No.	B14
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	G	–
2	P	–

Connector No.	B38
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	B	–
2	W	–

ABHIA1219GB

Connector No.	B61
Connector Name	REAR SIDE AIR BAG SATELLITE SENSOR LH
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	W	–
2	B	–

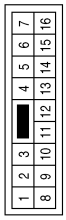
Connector No.	B66
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Color	ORANGE

H.S.

Terminal No.	Color of Wire	Signal Name
3	R	–
4	BG	–

Connector No.	B104
Connector Name	WIRE TO WIRE
Connector Color	BROWN

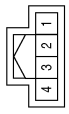
H.S.



Terminal No.	Color of Wire	Signal Name
15	BR	–
16	SB	–

Connector No.	B105
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	BR	–
2	B	–
3	L	–
4	SB	–

Connector No.	B111
Connector Name	JOINT CONNECTOR-B02
Connector Color	WHITE

H.S.

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

Connector No.	B112
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	Y	–
2	BR	–

ABHIA1220GB

Connector No.	B113
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	Y	RH SQUIB #1 (+)
2	BR	RH SQUIB #1 (-)

Connector No.	B115
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	G	–
2	P	–

Terminal No.	Color of Wire	Signal Name
3	R	RH SQUIB #2 (+)
4	BG	RH SQUIB #2 (-)
5	W	RH SQUIB #3 (-)
6	B	RH SQUIB #3 (+)
9	L	ODS
11	B	RH C-SAT (+)
12	W	RH C-SAT (-)
17	SHIELD	GND
20	L	RH BUCKLE SW (+)
21	P	P-RH1 (-)
22	G	P-RH1 (+)

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

H.S.

Terminal No.	Color of Wire	Signal Name
1	B	–
2	W	–

Connector No.	B128
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
3	B	–
6	L	–

Connector No.	B134
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Color	ORANGE

H.S.

Terminal No.	Color of Wire	Signal Name
3	R	–
4	BG	–

ABHIA1221GB

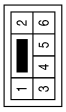
Connector No.	B135
Connector Name	REAR SIDE AIR BAG SATELLITE SENSOR RH
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	B	–
2	W	–

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Color	WHITE

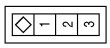
H.S.



Terminal No.	Color of Wire	Signal Name
3	B	–
6	O	–

Connector No.	B202
Connector Name	SEAT BELT BUCKLE SWITCH LH
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	O	–
2	B	–

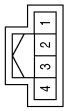
Connector No.	B301
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	BR	–
2	B	–
3	L	–
4	LG	–

Connector No.	B302
Connector Name	SEAT BELT BUCKLE SWITCH RH
Connector Color	WHITE

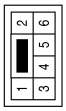
H.S.



Terminal No.	Color of Wire	Signal Name
1	L	–
2	B	–

Connector No.	B305
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
3	B	–
6	L	–

ABHIA1222GB

Connector No.	B308
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	BR	–
2	B	–
3	L	–
4	LG	–

Connector No.	B326
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	GR	–
2	B	–
3	BR/W	–
4	W	–

Connector No.	B327
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	–	–
2	LG	LOAD SENSOR FRONT INNER SIGNAL
3	W/L	LOAD SENSOR REAR INNER GND
4	SB	LOAD SENSOR REAR INNER SIGNAL
5	R	LOAD SENSOR FRONT INNER VCC

Terminal No.	Color of Wire	Signal Name
6	W	IGN
7	–	–
8	–	–
9	B	GND
10	BR/W	ACU COMM
11	R/B	LOAD SENSOR FRONT INNER GND
12	GR	K-LINE
13	Y	LOAD SENSOR REAR INNER VCC
14	–	–

Connector No.	B328
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR FI
Connector Color	PINK

H.S.

Terminal No.	Color of Wire	Signal Name
1	R/B	–
2	LG	–
3	R	–

ABHIA1223GB

Connector No.	B329
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR RI
Connector Color	PINK

H.S.

Terminal No.	Color of Wire	Signal Name
1	W/L	–
2	SB	–
3	Y	–

Connector No.	D115
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	LG	–
2	V	–

Connector No.	D15
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
1	LG	–
2	V	–

Connector No.	D123
Connector Name	WIRE TO WIRE
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
2	SHIELD	–
3	V	–
4	LG	–

Connector No.	D29
Connector Name	WIRE TO WIRE
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
2	SHIELD	–
3	V	–
4	LG	–

ABHIA1224GB

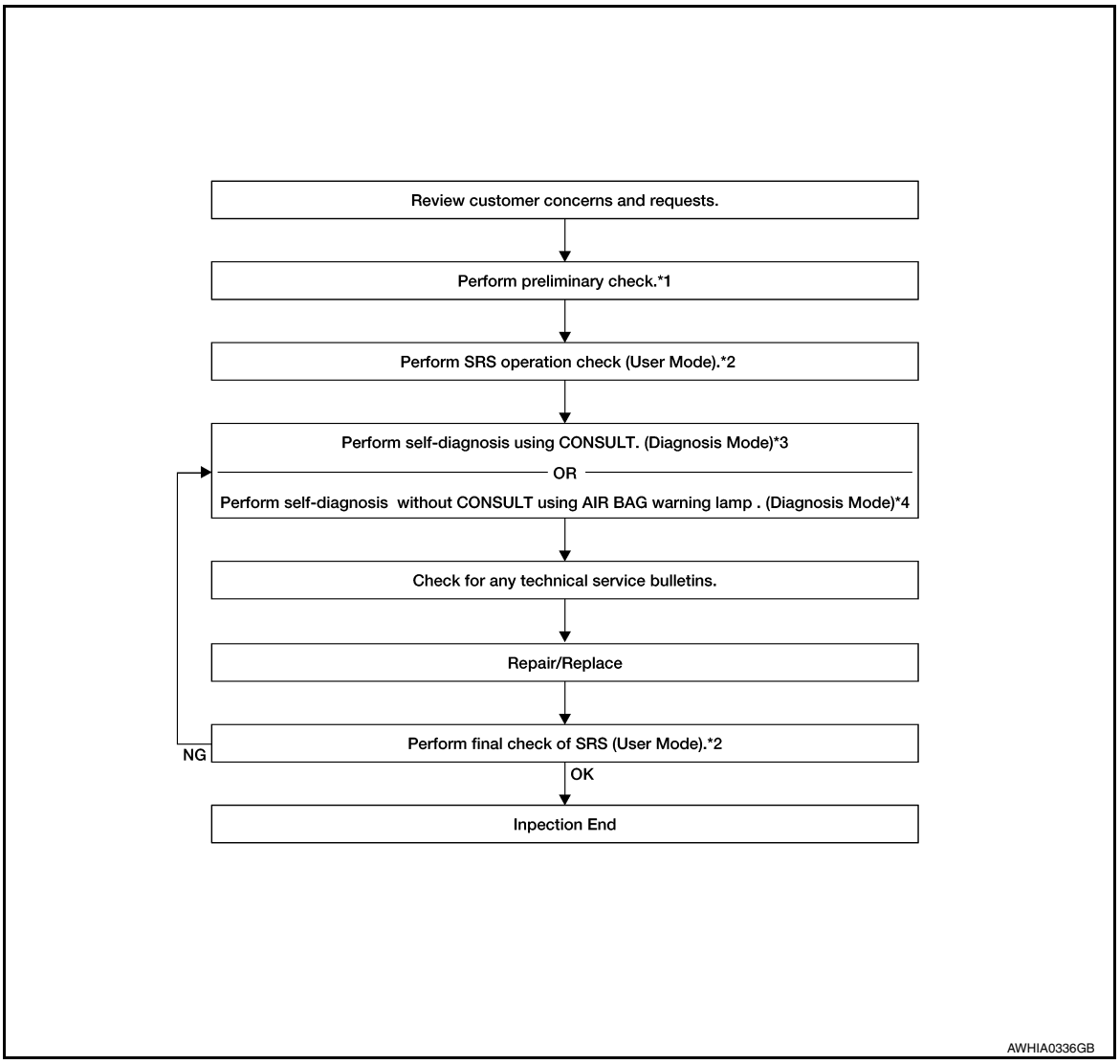
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000012600979

OVERALL SEQUENCE



*1 SRC-14, "Diagnosis Description" *2 SRC-14, "SRS Operation Check" *3 SRC-15, "Trouble Diagnosis with CONSULT"

*4 SRC-16, "Trouble Diagnosis without CONSULT"

DETAILED WORK FLOW

1. CUSTOMER INFORMATION

Get detailed information from the customer about the symptom.

>> GO TO 2.

2. PRELIMINARY CHECK

Perform preliminary check. Refer to SRC-14, "Diagnosis Description".

>> GO TO 3.

3. SRS OPERATION CHECK (USER MODE)

Perform SRS operation check in User Mode. Refer to SRC-14, "SRS Operation Check".

>> GO TO 4.

4. SELF-DIAGNOSIS (DIAGNOSIS MODE)

Perform SELF-DIAGNOSIS. Refer to SRC-15, "Trouble Diagnosis with CONSULT" or SRC-16, "Trouble Diagnosis without CONSULT".

>> GO TO 5.

5. TECHNICAL SERVICE BULLETINS

Check for technical service bulletins.

>> GO TO 6.

6. REPLACE PART

Replace the malfunctioning part.

>> GO TO 7.

7. FINAL CHECK

Check SRS using Diagnosis Mode and User Mode.

Does Diagnosis Mode and User Mode indicate SRS normal?

YES >> Inspection End.
NO >> GO TO 4.

INSPECTION AND ADJUSTMENT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Description

INFOID:0000000012600980

WARNING:
Always perform zero point reset using CONSULT when removing and installing the front passenger seat or servicing the occupant classification system. 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:0000000012600981

WORK PROCEDURE WHEN REPLACING OCS CONTROL UNIT

1.PERFORM ZERO POINT RESET

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

>> Inspection End.

ZERO POINT RESET

ZERO POINT RESET : Description

INFOID:0000000012600982

Zero point reset is an initializing procedure for the OCS (weight) sensors that must be performed using CONSULT when removing and installing passenger seat or servicing the OCS system. If zero point reset is not performed, the initialization is incomplete and OCS may not operate normally.

NOTE:
- When reinstalling the passenger seat, the initial value for the OCS sensors may change, and the OCS may not operate normally.
- When zero point reset is performed after removal and installation of passenger seat, CONSULT displays “complete”.

ZERO POINT RESET : Special Repair Requirement

INFOID:0000000012600983

1.PERFORM ZERO POINT RESET

1. Perform preliminary checks:
   NOTE:
   - Level the vehicle
   - Minimize vibrations near the vehicle
   - Remove any objects on passenger seat
   - Do not touch the vehicle during zero point reset
2. Select START on “ZERO POINT RESET” from, “Work support” of “OCCUPANT DETECTION”.
3. “Zero point reset” starts.

>> GO TO 2.

2.CONFIRM RESET

1. Check that “Complete” is displayed on “Zero point reset status”.

CAUTION:
- **“Complete” may be displayed if the seat has been reinstalled, or zero point reset has already been performed.**
- **“Incomplete” may be displayed if a new seat is installed.**
- **Air bag warning lamp flashes in user mode if zero point reset is “incomplete”.**

Is zero point reset status “complete”?

YES >> Print out “ZERO POINT RESET CURRENT STATUS” screen. Inspection end.
NO >> Recheck the preliminary check items and perform zero point reset again.

INTERMITTENT INCIDENT

Inspection Procedure

INFOID:0000000012600984

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-DIAG [CURRENT]”, but may be viewed on “SELF-DIAG [PAST]” if the DTC has not been erased.

Trouble Diagnosis with CONSULT

INFOID:0000000012600985

CHECK SRS REPAIR HISTORY

Refer to SRC-16, "SRS History Check".

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

DTC Description

INFOID:0000000012600986

CAN (Controller Area Network) is a serial communication line for real time applications. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Modern vehicle is equipped with many electronic control unit, and each control unit shares information and links with other control units during operation (not independent). In CAN communication, control units are connected with 2 communication lines (CAN H-line, CAN L-line) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.
CAN Communication Signal Chart. Refer to LAN-35, "CAN COMMUNICATION SYSTEM : CAN Communication Signal Chart".

DTC LOGIC

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

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

—

Diagnosis Procedure

INFOID:0000000012600987

1.PERFORM SELF DIAGNOSTIC

1. Turn power switch ON and wait for 2 seconds or more.
2. Check “SELF-DIAG [CAN]” in “special function” of “AIR BAG” using CONSULT.

Is DTC “U1000-01” displayed?

YES >> Refer to SRC-43, "DTC Description".
NO >> Refer to GI-44, "Intermittent Incident".

U1010 CONTROL UNIT (CAN)

DTC Description

INFOID:0000000012600988

DTC LOGIC

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

POSSIBLE CAUSE

Air bag diagnosis sensor unit

FAIL-SAFE

—

Diagnosis Procedure

INFOID:0000000012600989

1.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

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

>> Replace air bag diagnosis sensor unit. Refer to SR-25, "Removal and Installation".

B0001 DRIVER AIR BAG MODULE

DTC Description

INFOID:0000000012600990

DTC B0001 DRIVER AIRBAG MODULE

The driver air bag module is dual stage and wired to the air bag diagnosis sensor unit through the spiral cable. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the driver air bag module including the spiral cable.

PART LOCATION

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

DTC LOGIC

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

POSSIBLE CAUSE

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

[B0001–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0001–12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of driver air bag module
- Internal malfunction of air bag diagnosis sensor unit

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

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-46, "Diagnosis Procedure".

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

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-46, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-46, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012600991

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.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.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 3.
NO >> Replace the harness.

3.CHECK DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0001–13]>>GO TO 4.
[B0001–12]>>GO TO 7.
[B0001–11]>>GO TO 5.
[B0001–00, B0001–09, B0001–1A]>> GO TO 6.

4.CHECK SPIRAL CABLE CIRCUIT 1

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

Driver air bag module		Spiral cable		Continuity
Connector	Terminal	Connector	Terminal	
M83	11	M29	30	Yes
	10		28	

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace spiral cable. Refer to SR-15, "Removal and Installation".

5.CHECK SPIRAL CABLE CIRCUIT 2

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

Spiral cable		Ground	Continuity
Connector	Terminal		
M29	28		No
	30		

Is the inspection result normal?

YES >> GO TO 8.
NO >> Replace spiral cable. Refer to SR-15, "Removal and Installation".

6.CHECK SPIRAL CABLE CIRCUIT 3

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

Spiral Cable		Continuity
Terminal		
28	30	No

Is the inspection result normal?

YES >> GO TO 8.
NO >> Replace spiral cable. Refer to SR-15, "Removal and Installation".

7.REPLACE SPIRAL CABLE

1. Replace spiral cable. Refer to SR-15, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-45, "DTC Description".

Is DTC detected?

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

8.REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to SR-11, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-45, "DTC Description".

Is DTC detected?

YES >> GO TO 9.
NO >> Inspection End.

9.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-45, "DTC Description".

Is DTC detected?

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

B0002 DRIVER AIR BAG MODULE

DTC Description

INFOID:0000000012600992

DTC B0002 DRIVER AIRBAG MODULE

The driver air bag module is dual stage and wired to the air bag diagnosis sensor unit through the spiral cable. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the driver air bag module including the spiral cable.

PART LOCATION

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

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

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

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

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

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

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-50, "Diagnosis Procedure".

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

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-50, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-50, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012600993

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.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.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 3.
NO >> Replace the harness.

3.CHECK DTC

Perform each inspection according to the displayed DTC.

Which DTC is displayed?

[B0002–13]>>GO TO 4.
[B0002–12]>>GO TO 7.
[B0002–11]>>GO TO 5.
[B0002–00, B0002–09, B0002–1A]>> GO TO 6.

4.CHECK SPIRAL CABLE CIRCUIT 1

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

Driver air bag module		Spiral cable		Continuity
Connector	Terminal	Connector	Terminal	
M82	9	M29	30	Yes
	12		29	

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace spiral cable. Refer to SR-15, "Removal and Installation".

5.CHECK SPIRAL CABLE CIRCUIT 2

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

Spiral cable		Ground	Continuity
Connector	Terminal		
M29	29		No
	30		

Is the inspection result normal?

YES >> GO TO 8.
NO >> Replace spiral cable. Refer to SR-15, "Removal and Installation".

6.CHECK SPIRAL CABLE CIRCUIT 3

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

Spiral Cable		Continuity
Terminal		
29	30	No

Is the inspection result normal?

YES >> GO TO 8.
NO >> Replace spiral cable. Refer to SR-15, "Removal and Installation".

7.REPLACE SPIRAL CABLE

1. Replace spiral cable. Refer to SR-15, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-49, "DTC Description".

Is DTC detected?

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

8.REPLACE DRIVER AIR BAG MODULE

1. Replace driver air bag module. Refer to SR-11, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-49, "DTC Description".

Is DTC detected?

YES >> GO TO 9.
NO >> Inspection End.

9.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-25, "Removal and Installation".
2. Perform DTC confirmation procedure. Refer to SRC-49, "DTC Description".

Is DTC detected?

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

B0010 PASSENGER AIR BAG MODULE

Description

INFOID:0000000012600994

DTC B0010 PASSENGER AIR BAG MODULE

The passenger air bag module is dual stage and 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 passenger air bag module.

PART LOCATION

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

DTC Description

INFOID:0000000012600995

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

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

[B0010–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0010–12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

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

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

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-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-54, "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-14, "SRS Operation Check".

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:0000000012600996

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

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

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5. FRONT PASSENGER AIR BAG MODULE

1. Replace the front passenger air bag module. Refer to SR-17, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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-25, "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**

B0011 PASSENGER AIR BAG MODULE

Description

INFOID:0000000012600997

DTC B0011 PASSENGER AIR BAG MODULE

The passenger air bag module is dual stage and 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 passenger air bag module.

PART LOCATION

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

DTC Description

INFOID:0000000012600998

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

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

[B0011–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

[B0011–12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of passenger air bag module
- Internal malfunction of air bag diagnosis sensor unit

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

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

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-DIAG 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-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-14, "SRS Operation Check".

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:0000000012600999

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

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

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5. FRONT PASSENGER AIR BAG MODULE

1. Replace the front passenger air bag module. Refer to SR-17, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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-25, "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**

B0020 SIDE AIRBAG MODULE LH

Description

INFOID:0000000012601000

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 Description

INFOID:0000000012601001

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

[B0020–09, B0020–1A]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[B0020–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[B0020–12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[B0020–13]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

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-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-60, "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-14, "SRS Operation Check".

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:0000000012601002

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

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

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5. SIDE AIR BAG MODULE LH

1. Replace the side air bag module LH. Refer to SR-21, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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-25, "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**

B0021 SIDE CURTAIN AIR BAG MODULE LH

Description

INFOID:0000000012601003

DTC B0021 LH SIDE CURTAIN AIR BAG MODULE

The LH side curtain 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 LH side curtain air bag module.

PART LOCATION

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

DTC Description

INFOID:0000000012601004

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

[B0021–09, B0021–1A]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[B0021–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[B0021–12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[B0021–13]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-63, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-63, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-63, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601005

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5.SIDE CURTAIN AIR BAG MODULE LH

1. Replace the side curtain air bag module LH. Refer to SR-19, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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-25, "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**

B0028 SIDE AIRBAG MODULE RH

Description

INFOID:0000000012601006

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 Description

INFOID:0000000012601007

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

[B0028–09, B0028–1A]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[B0028–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[B0028–12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[B0028–13]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-66, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-66, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-66, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601008

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5.SIDE AIR BAG MODULE RH

1. Replace the side air bag module RH.
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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-25, "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**

B0029 SIDE CURTAIN AIR BAG MODULE RH

Description

INFOID:0000000012601009

DTC B0029 RH SIDE CURTAIN AIR BAG MODULE

The RH side curtain 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 RH side curtain air bag module.

PART LOCATION

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

DTC Description

INFOID:0000000012601010

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

[B0029–09, B0029–1A]
- Connection malfunction or short circuit of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[B0029–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[B0029–12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[B0029–13]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of curtain air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-69, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-69, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-69, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601011

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5.SIDE CURTAIN AIR BAG MODULE RH

1. Replace the side curtain air bag module RH. Refer to SR-19, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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-25, "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**

B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

Description

INFOID:0000000012601015

DTC B0092 REAR SATELLITE SENSOR LH

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

PART LOCATION

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

DTC Description

INFOID:0000000012601016

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

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

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

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

[B0092–86]
- Air bag diagnosis sensor unit and C-pillar satellite sensor LH is different from the part specified

[B0092–88]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of C-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.

2. Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-72, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-72, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-72, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601017

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

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5. SATELLITE SENSOR LH

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

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-25, "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**

B0093 FRONT DOOR SATELLITE SENSOR LH

Description

INFOID:0000000012601018

DTC B0093 FRONT DOOR SATELLITE SENSOR LH

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

PART LOCATION

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

DTC Description

INFOID:0000000012601019

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

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

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

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

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

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

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-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-75, "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-14, "SRS Operation Check".

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:0000000012601020

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-44, "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

1. Reconnect all harness connectors.

2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5. FRONT DOOR SATELLITE SENSOR LH

1. Replace the front door satellite sensor LH. Refer to SR-23, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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-25, "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**

B0094 CRASH ZONE SENSOR

Description

INFOID:0000000012601021

DTC B0094 CRASH ZONE SENSOR

The crash zone sensor 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 crash zone sensor.

PART LOCATION

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

DTC Description

INFOID:0000000012601022

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

[B0094–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of crash zone sensor
- Internal malfunction of air bag diagnosis sensor unit

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

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

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

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-78, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-78, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-78, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601023

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-44, "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

1. Reconnect all harness connectors.

2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5. CRASH ZONE SENSOR

1. Replace the crash zone sensor. Refer to SR-22, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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-25, "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:0000000012601027

DTC B0097 REAR SATELLITE SENSOR RH

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

PART LOCATION

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

DTC Description

INFOID:0000000012601028

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

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

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

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

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

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.

2. Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-81, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-81, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-81, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601029

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

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5. SATELLITE SENSOR RH

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

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-25, "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**

B0098 FRONT DOOR SATELLITE SENSOR RH

Description

INFOID:0000000012601030

DTC B0098 FRONT DOOR SATELLITE SENSOR RH

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

PART LOCATION

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

DTC Description

INFOID:0000000012601031

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

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

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

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

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

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-84, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-84, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-84, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601032

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

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

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5. FRONT DOOR SATELLITE SENSOR RH

1. Replace the front door satellite sensor RH. Refer to SR-23, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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-25, "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**

B0099 SATELLITE SENSOR

Description

INFOID:0000000012601033

DTC B0099 SATELLITE SENSOR

The satellite sensors are wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the satellite sensors for proper specification.

PART LOCATION

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

DTC Description

INFOID:0000000012601034

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0099–86	SATELLITE SENSOR [Roll Over Sensor (Subfault)]	[UNMATCH]	Satellite sensor is out of the specified specification

POSSIBLE CAUSE

[B0099–86]
- Air bag diagnosis sensor unit and satellite sensor are different from the part specified

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-86, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-86, "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-16, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

YES >> Refer to SRC-86, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601035

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.SATELLITE SENSOR

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

Is DTC still current?

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

2.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 3.
NO >> Clear DTC. Inspection End.

3.RELATED HARNESS

Replace the related harness.

>> **END**

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

Description

INFOID:0000000012601036

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:0000000012601037

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

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

Is the DTC detected?

YES (Current DTC)>>Refer to:
- B00A0-00, -02 or -09: SRC-89, "Diagnosis Procedure (B00A0-00, -02 or -09)"
- B00A0-04: SRC-90, "Diagnosis Procedure (B00A0-04)"
- B00A0-83, -86, -87, -88 or -8F: SRC-91, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
- B00A0-93: SRC-92, "Diagnosis Procedure (B00A0-93)"

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

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to:
- B00A0-00, -02 or -09: SRC-89, "Diagnosis Procedure (B00A0-00, -02 or -09)"
- B00A0-04: SRC-90, "Diagnosis Procedure (B00A0-04)"
- B00A0-83, -86, -87, -88 or -8F: SRC-91, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
- B00A0-93: SRC-92, "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-14, "SRS Operation Check".

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-89, "Diagnosis Procedure (B00A0-00, -02 or -09)"
- B00A0-04: SRC-90, "Diagnosis Procedure (B00A0-04)"
- B00A0-83, -86, -87, -88 or -8F: SRC-91, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
- B00A0-93: SRC-92, "Diagnosis Procedure (B00A0-93)"

NO >> Inspection End.

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

INFOID:0000000012601038

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

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 >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

3.REPLACE OCS CONTROL UNIT AND SENSORS

1. Replace the OCS control unit and sensors. 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 4.
NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

4.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-25, "Removal and Installation".
2. Turn ignition switch ON.

3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.
NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

5.RELATED HARNESS

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 using CONSULT.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

6.REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-58, "PASSENGER SIDE : Disassembly and Assembly".
2. Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

>> Inspection End.

Diagnosis Procedure (B00A0-04)

INFOID:0000000012601039

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

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 >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

3.REPLACE OCS CONTROL UNIT

1. Replace the OCS control 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 4.
NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

4.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-25, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.
NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

5.RELATED HARNESS

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 using CONSULT.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

6.REPLACE OCS SENSORS

1. Replace the OCS sensors. 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 and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

7.REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-58, "PASSENGER SIDE : Disassembly and Assembly".
2. Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

>> Inspection End.

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

INFOID:0000000012601040

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

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 >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

3.REPLACE OCS CONTROL UNIT AND SENSORS

1. Replace the OCS control unit and sensors. 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 4.
NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

4. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-25, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.
NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

5. RELATED HARNESS

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 using CONSULT.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

6. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-58, "PASSENGER SIDE : Disassembly and Assembly".
2. Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

>> Inspection End.

Diagnosis Procedure (B00A0-93)

INFOID:0000000012601041

1. PERFORM ZERO POINT RESET

1. Perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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

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

Is DTC still current?

YES >> GO TO 4.

NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

4. REPLACE OCS CONTROL UNIT

1. Replace the OCS control 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 5.
NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-25, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.
NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

6. RELATED HARNESS

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 using CONSULT.

Is DTC still current?

YES >> GO TO 7.
NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

7. REPLACE OCS SENSORS

1. Replace the OCS sensors. 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 8.
NO >> Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

8. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-58, "PASSENGER SIDE : Disassembly and Assembly".
2. Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

>> Inspection End.

B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

Description

INFOID:0000000012601042

DTC B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

The front passenger air bag off indicator is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit monitors the front passenger air bag off indicator and circuit for failures.

PART LOCATION

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

DTC Description

INFOID:0000000012601043

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

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

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

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

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

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

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-95, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-95, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-95, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601044

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-44, "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

1. Reconnect all harness connectors.

2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5. PASSENGER AIR BAG OFF INDICATOR

1. Replace the passenger air bag off indicator. Refer to SR-37, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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-25, "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**

B1428 SEAT BELT BUCKLE SWITCH LH

Description

INFOID:0000000012601045

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 Description

INFOID:0000000012601046

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1428–13	SEAT BELT BUCKLE SW LH CIRCUIT	[OPEN]	Seat belt buckle switch LH circuit is open.
B1428–12		[VB-SHORT]	Seat belt buckle switch LH circuit is shorted to a power supply circuit.
B1428–11		[GND-SHORT]	Seat belt buckle switch LH circuit is shorted to ground.
B1428–00		[UNDEFINED]	Seat belt buckle switch LH circuit is malfunctioning.

POSSIBLE CAUSE

[B1428-13]
- Connection malfunction or open circuit of harness or connector
- Internal malfunction of seat belt buckle switch LH

[B1428-12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt buckle switch LH

[B1428-11]
- Connection malfunction or short circuit to ground of harness or connector
- Internal malfunction of seat belt buckle switch LH

[B1428-00]
- Internal malfunction of seat belt buckle switch LH

FAIL-SAFE

—

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-98, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-98, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-98, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601047

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

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5.SEAT BELT BUCKLE SWITCH LH

1. Replace the seat belt buckle switch LH. Refer to SR-36, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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-25, "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**

B1429 SEAT BELT BUCKLE SWITCH RH

Description

INFOID:0000000012601048

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:0000000012601049

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1429–13	SEAT BELT BUCKLE SW RH CIRCUIT	[OPEN]	Seat belt buckle switch RH circuit is open.
B1429–12		[VB-SHORT]	Seat belt buckle switch RH circuit is shorted to a power supply circuit.
B1429–11		[GND-SHORT]	Seat belt buckle switch RH circuit is shorted to ground.
B1429–00		[UNDEFINED]	Seat belt buckle switch RH circuit is malfunctioning.

POSSIBLE CAUSE

[B1429-13]
- Connection malfunction or open circuit of harness or connector
- Internal malfunction of seat belt buckle switch RH

[B1429-12]
- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt buckle switch RH

[B1429-11]
- Connection malfunction or short circuit to ground of harness or connector
- Internal malfunction of seat belt buckle switch RH

[B1429-00]
- Internal malfunction of seat belt buckle switch RH

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-101, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-101, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-101, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601050

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

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5.SEAT BELT BUCKLE SWITCH RH

Replace the seat belt buckle switch RH. Refer to SR-36, "Removal and Installation".

>> GO TO 6.

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-25, "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**

B1430, B1432 SEAT BELT PRE-TENSIONER LH

Description

INFOID:0000000012601051

DTC B1430 AND B1432 SEAT BELT PRE-TENSIONER LH

The seat belt pre-tensioner LH 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 seat belt pre-tensioner LH.

PART LOCATION

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

DTC Description

INFOID:0000000012601052

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1430–09	PRE-TEN FRONT LH [front seat belt pre-tensioner squib left hand component failures (cross connection)]	[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other
B1430–11	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit short to GND)	[GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground
B1430–12	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit short to battery)	[VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit
B1430–13	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit)	[OPEN]	Seat belt pre-tensioner LH circuit is open
B1430–1A	PRE-TEN FRONT LH (front seat belt pre-tensioner squib left hand circuit resistance below threshold)	[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other
B1432–09	PRE-TEN FRONT LH 2 [front seat belt pre-tensioner squib left hand component failures (cross connection)]	[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other
B1432–11	PRE-TEN FRONT LH 2 (front seat belt pre-tensioner squib left hand circuit short to GND)	[GND-SHORT]	Seat belt pre-tensioner LH circuit is shorted to ground
B1432–12	PRE-TEN FRONT LH 2 (front seat belt pre-tensioner squib left hand circuit short to battery)	[VB-SHORT]	Seat belt pre-tensioner LH circuit is shorted to power supply circuit
B1432–13	PRE-TEN FRONT LH 2 (front seat belt pre-tensioner squib left hand circuit)	[OPEN]	Seat belt pre-tensioner LH circuit is open
B1432–1A	PRE-TEN FRONT LH 2 (front seat belt pre-tensioner squib left hand circuit resistance below threshold)	[SHORT]	Seat belt pre-tensioner LH circuits are shorted to each other

POSSIBLE CAUSE

[B1430–09, B1430–1A]

• Connection malfunction or short circuit of harness and connector
• Internal malfunction of seat belt pre-tensioner LH
• Internal malfunction of air bag diagnosis sensor unit

[B1430–11]
• Connection malfunction or short circuit to ground of harness and connector
• Internal malfunction of seat belt pre-tensioner LH
• Internal malfunction of air bag diagnosis sensor unit

[B1430–12]
• Connection malfunction or short circuit to power supply of harness and connector
• Internal malfunction of seat belt pre-tensioner LH
• Internal malfunction of air bag diagnosis sensor unit

[B1430–13]
• Connection malfunction or open circuit of harness and connector
• Internal malfunction of seat belt pre-tensioner LH
• Internal malfunction of air bag diagnosis sensor unit

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

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

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

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-105, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-105, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-105, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601053

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5. SEAT BELT PRE-TENSIONER LH

1. Replace the seat belt pre-tensioner LH. Refer to SR-35, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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-25, "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**

B1431, B1433 SEAT BELT PRE-TENSIONER RH

Description

INFOID:0000000012601054

DTC B1431 AND B1433 SEAT BELT PRE-TENSIONER RH

The seat belt pre-tensioner RH 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 seat belt pre-tensioner RH.

PART LOCATION

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

DTC Description

INFOID:0000000012601055

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B1431–09	PRE-TEN FRONT RH [front seat belt pre-tensioner squib right hand component failures (cross connection)]	[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other
B1431–11	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit short to GND)	[GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground
B1431–12	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit short to battery)	[VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit
B1431–13	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit)	[OPEN]	Seat belt pre-tensioner RH circuit is open
B1431–1A	PRE-TEN FRONT RH (front seat belt pre-tensioner squib right hand circuit resistance below threshold)	[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other
B1433–09	PRE-TEN FRONT RH 2 [front seat belt pre-tensioner squib right hand component failures (cross connection)]	[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other
B1433–11	PRE-TEN FRONT RH 2 (front seat belt pre-tensioner squib right hand circuit short to GND)	[GND-SHORT]	Seat belt pre-tensioner RH circuit is shorted to ground
B1433–12	PRE-TEN FRONT RH 2 (front seat belt pre-tensioner squib right hand circuit short to battery)	[VB-SHORT]	Seat belt pre-tensioner RH circuit is shorted to power supply circuit
B1433–13	PRE-TEN FRONT RH 2 (front seat belt pre-tensioner squib right hand circuit)	[OPEN]	Seat belt pre-tensioner RH circuit is open
B1433–1A	PRE-TEN FRONT RH 2 (front seat belt pre-tensioner squib right hand circuit resistance below threshold)	[SHORT]	Seat belt pre-tensioner RH circuits are shorted to each other

POSSIBLE CAUSE

[B1431–09, B1431–1A]

• Connection malfunction or short circuit of harness and connector
• Internal malfunction of seat belt pre-tensioner RH
• Internal malfunction of air bag diagnosis sensor unit

[B1431–11]
• Connection malfunction or short circuit to ground of harness and connector
• Internal malfunction of seat belt pre-tensioner RH
• Internal malfunction of air bag diagnosis sensor unit

[B1431–12]
• Connection malfunction or short circuit to power supply of harness and connector
• Internal malfunction of seat belt pre-tensioner RH
• Internal malfunction of air bag diagnosis sensor unit

[B1431–13]
• Connection malfunction or open circuit of harness and connector
• Internal malfunction of seat belt pre-tensioner RH
• Internal malfunction of air bag diagnosis sensor unit

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

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

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

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-109, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-109, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-109, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601056

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5.SEAT BELT PRE-TENSIONER RH

1. Replace the seat belt pre-tensioner RH. Refer to SR-35, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

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-25, "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**

B142A IGN VOLTAGE

Description

INFOID:0000000012601057

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 Description

INFOID:0000000012601058

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

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

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-112, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.
NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-112, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-112, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601059

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-25, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

6.RELATED HARNESS

Replace the related harness.

>> **END**

B142X COLLISION DETECTION

Description

INFOID:0000000012601060

DTC B1421, B1422, B1423 COLLISION/ROLLOVER DETECTION

The air bag diagnosis sensor unit will set this DTC if it has detected a collision or rollover 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 Description

INFOID:0000000012601061

DTC DETECTION LOGIC

DTC	CONSULT screen items	DTC detecting condition
B1421–00	FRONTAL COLLISION DETECTION	Frontal collision detected. Driver and/or front passenger air bag modules are deployed.
B1422–00	SIDE COLLISION DETECTION	Side collision detected. Curtain air bag module and seat belt pre-tensioner are deployed.
B1423–00	ROLLOVER DETECTION	Rollover detected. Curtain air bag module and seat belt pre-tensioner are deployed.

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012601062

Refer to SR-5, "For Frontal Collision" or SR-7, "For Side and Rollover Collision".

B14XX AIR BAG DIAGNOSIS SENSOR UNIT

Description

INFOID:0000000012601063

DTC B14XX AIR BAG DIAGNOSIS SENSOR UNIT

The air bag diagnosis sensor unit will run self diagnostics when the ignition switch is turned ON. It has the potential to set many diagnostic trouble codes which will conform to the B14XX format, but will not match any other SRS diagnostic trouble codes. Refer to SRC-14, "SRS Operation Check".

PART LOCATION

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

DTC Description

INFOID:0000000012601064

DTC DETECTION LOGIC

DTC	CONSULT screen items	DTC detecting condition
B1400–00		
B1401–00		
B1402–00		
B1403–00		
B1404–00		
B1405–00		
B1406–00		
B1407–00		
B1408–00		
B1409–00		
B1410–00	CONTROL UNIT [UNIT MALFUNC]	Air bag diagnosis sensor unit is malfunctioning
B1411–00		
B1412–00		
B1413–00		
B1414–00		
B1415–00		
B1416–00		
B1417–00		
B1418–00		
B1419–00		
B1420–00		

POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-115, "Diagnosis Procedure".
YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.
NO >> Refer to SRC-115, "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-14, "SRS Operation Check".

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

Is the DTC detected?

YES >> Refer to SRC-115, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012601065

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-44, "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

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

Is DTC still current?

YES >> GO TO 5.
NO >> Refer to GI-44, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-25, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC using CONSULT.

Is DTC still current?

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

6. RELATED HARNESS

Replace the related harness.

>> **END**

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

AIR BAG Warning Lamp Does Not Turn On

INFOID:0000000012601066

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-25, "Removal and Installation".
NO >> Replace the combination meter. Refer to MWI-83, "Removal and Installation".

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

AIR BAG Warning Lamp Does Not Turn Off

INFOID:0000000012601067

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 SR-5, "For Frontal Collision" or SR-7, "For Side and Rollover 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-25, "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-25, "Removal and Installation".

SEAT BELT WARNING SYSTEM

Seat Belt Warning System Does Not Function

INFOID:0000000012601068

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-28, "Fail-Safe".

2.SEAT BELT BUCKLE LF

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-11, "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 RH.

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-25, "Removal and Installation".

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

Description

INFOID:0000000012601069

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:0000000012601070

1.REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to SR-27, "Removal and Installation".
2. Perform zero point reset. Refer to SRC-41, "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-48, "DRIVER SIDE : Disassembly and Assembly".
2. Perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

>> Inspection End.

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

Description

INFOID:0000000012601071

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:0000000012601072

1.REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to SR-27, "Removal and Installation".
2. Perform zero point reset. Refer to SRC-41, "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-58, "PASSENGER SIDE : Disassembly and Assembly".
2. Perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Description".

>> Inspection End.