SECTION SRC
SRS AIRBAG CONTROL SYSTEM

CONTENTS

PRECAUTION

PRECAUTIONS

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

INFOID:0000000012786845

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, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see 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 and wait at least three minutes before performing any service.**

Service

INFOID:0000000012786846

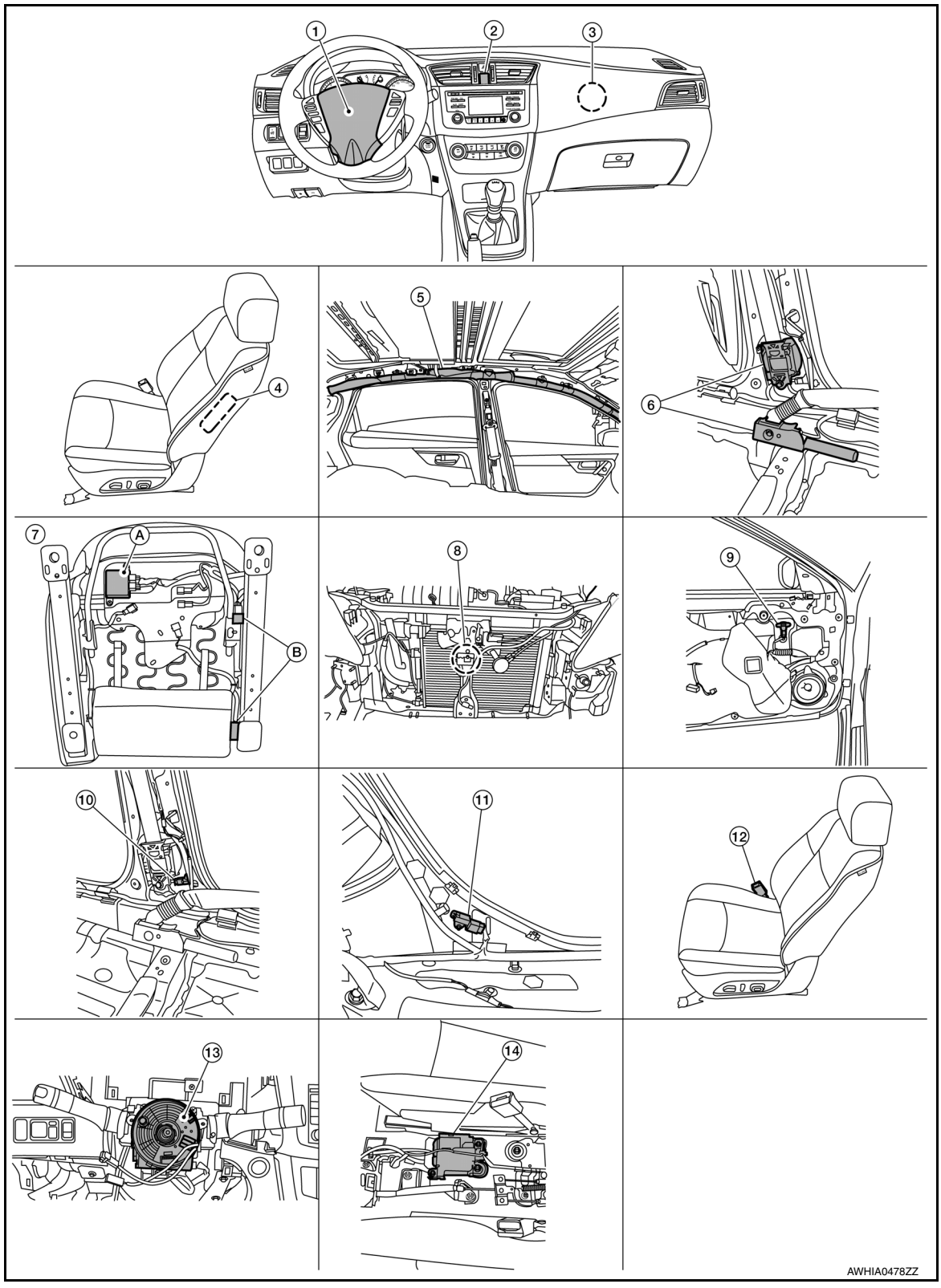
- Never use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn power switch OFF, disconnect battery negative terminal and wait 3 minutes or more.
  For approximately 3 minutes after the cables are removed, it is still possible for the air bag and seat belt pretensioner to deploy. Therefore, never work on any SRS connectors or wires until at least 3 minutes have passed.
- Diagnosis sensor unit must always be installed with their arrow marks “⇐” pointing towards the front of the vehicle for proper operation. Also check diagnosis sensor unit for cracks, deformities or rust before installation and replace as required.
- The spiral cable must be aligned with the neutral position since its rotations are limited. Never turn steering wheel and column after removal of steering gear.
- Handle air bag module carefully. Always place driver and front passenger air bag modules with the pad side facing upward and seat mounted front side air bag module standing with the stud bolt side facing down.
- Conduct self-diagnosis to check entire SRS for proper function after replacing any components.
- After air bag inflates, the front instrument panel assembly should be replaced if damaged.
- Always replace instrument panel pad following front passenger air bag deployment.
- Never solder the harness when making repairs. Check that harness is not pinched and that there is no contact with other components.
- Never allow harness to come in contact with oil, grease, waste oil, or water.
- Never insert foreign materials, such as a screwdriver, into the harness connector. (This is to prevent accidental activation caused by static electricity.)
- Always use CONSULT or SRS air bag warning lamp to perform the circuit diagnosis. (Never use an electric tester such as a circuit tester.)

SYSTEM DESCRIPTION

COMPONENT PARTS

Component Parts Location

INFOID:0000000012786847



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. Front side air bag satellite sensor LH (view with lower center pillar cover LH removed) (RH similar)
11. Rear side air bag satellite sensor LH (view with dash side lower finisher LH removed) (RH similar)
12. Seat belt buckle switch (driver seat) (passenger seat similar)
13. Spiral cable (view with steering wheel removed)
14. Air bag diagnosis sensor unit (view with center console assembly removed)

Component Description

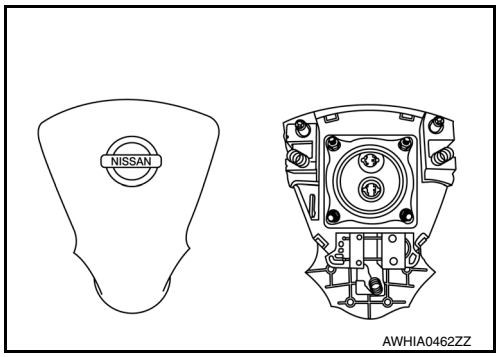
INFOID:0000000012786848

Component	Function
Air bag diagnosis sensor unit	Refer to SRC-8, "Air Bag Diagnosis Sensor Unit".
Driver air bag module	Refer to SRC-7, "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-8, "Front Seat Belt Pre-tensioner".
Occupant classification system	Refer to SRC-12, "OCCUPANT CLASSIFICATION SYSTEM : System Description".
Crash zone sensor	Refer to SRC-8, "Crash Zone Sensor".
Front side air bag satellite sensor	Refer to SRC-8, "Front Side Air Bag Satellite Sensor".
Rear side air bag satellite sensor	Refer to SRC-9, "Rear Side Air Bag Satellite Sensor".
Front door satellite sensor	Refer to SRC-9, "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:0000000012786849

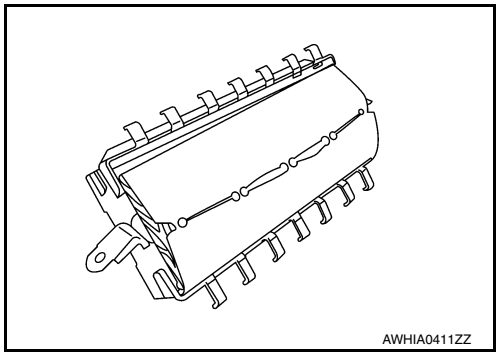
The driver air bag module is dual stage and located in the steering wheel assembly. It operates with the SRS system in a frontal collision exceeding a specified level.



Front Passenger Air Bag Module

INFOID:0000000012786850

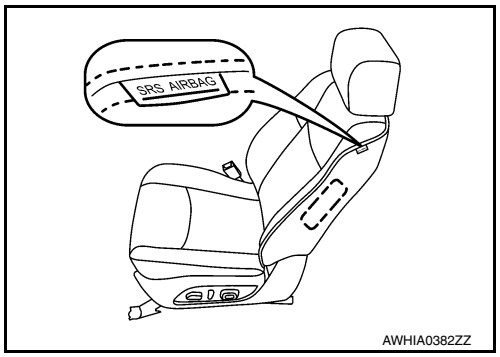
The front passenger air bag module is dual stage and is located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to SRC-11, "SRS AIR BAG SYSTEM : System Description" for more information.



Front Side Air Bag Module

INFOID:0000000012786851

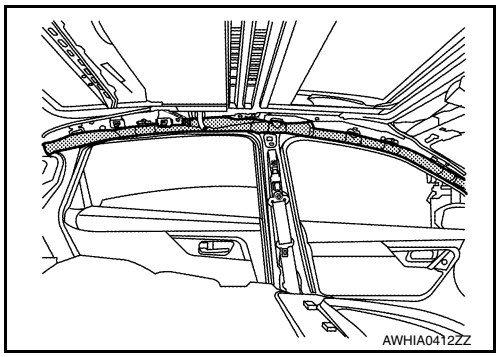
Front side air bag modules are built into the front seatback assemblies. Vehicles with side air bags are equipped with labels as shown.



Side Curtain Air Bag Module

INFOID:0000000012786852

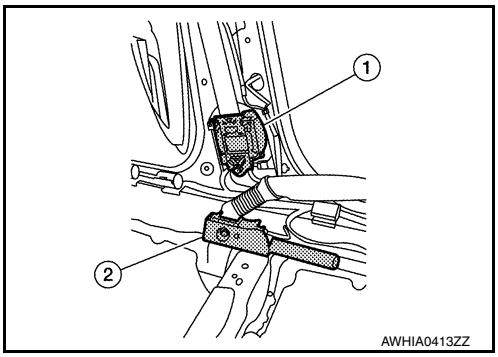
Side curtain air bag modules are located above the vehicle headlining. Vehicles with side curtain air bags are equipped with labels on the pillar upper finishers.



Front Seat Belt Pre-tensioner

INFOID:0000000012786853

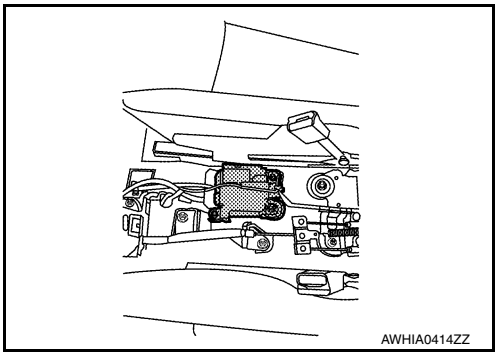
The seat belt pre-tensioner system with load limiter is installed for both the driver's seat and the front passenger's seat. It operates simultaneously with the SRS air bag system in the event of a frontal collision with an impact exceeding a specified level.
When the frontal collision with an impact 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:0000000012786854

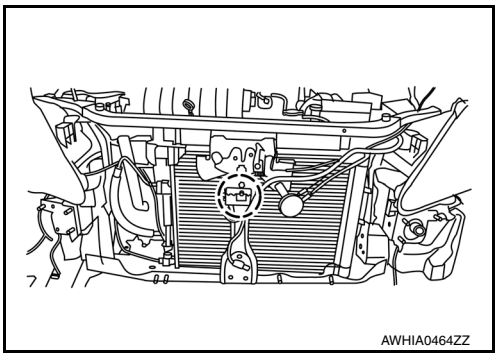
The air bag diagnosis sensor unit is located under the center console assembly. The air bag diagnosis sensor unit receives signals from multiple SRS sensors and controls the deployment of the air bags. The deployment of the air bags depends on the type and severity of the collision. The air bag diagnosis 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:0000000012786855

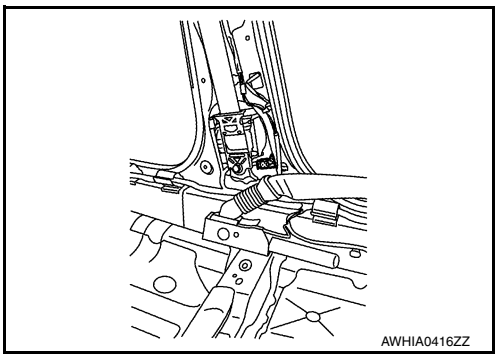
The crash zone sensor is located infront of the radiator. The crash zone sensor sends signals to the air bag diagnosis sensor unit during a frontal collision. This sensor may be identified by a yellow connector.



Front Side Air Bag Satellite Sensor

INFOID:0000000012786856

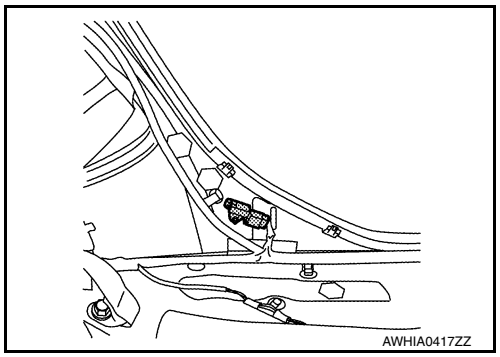
The front side air bag satellite sensors are located on the front center pillar LH and RH next to the seat belt pretensioners. The front side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



Rear Side Air Bag Satellite Sensor

INFOID:0000000012786857

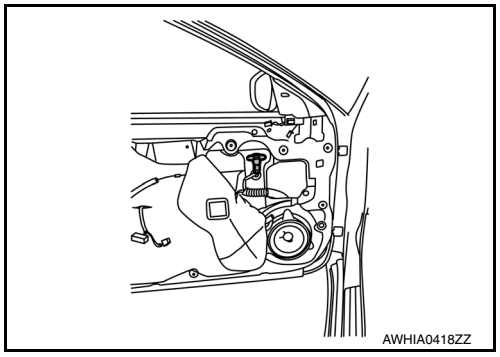
The rear side air bag satellite sensors are located behind the dash side lower finisher LH and RH. The rear side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



Front Door Satellite Sensor

INFOID:0000000012786858

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:0000000012786859

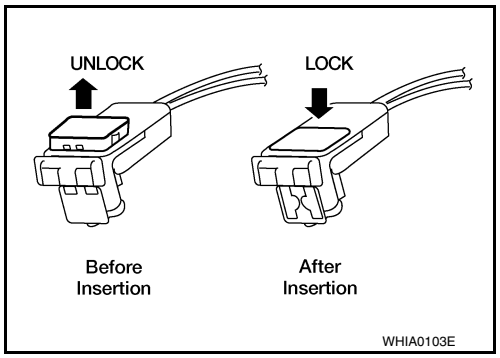
DIRECT CONNECT

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.

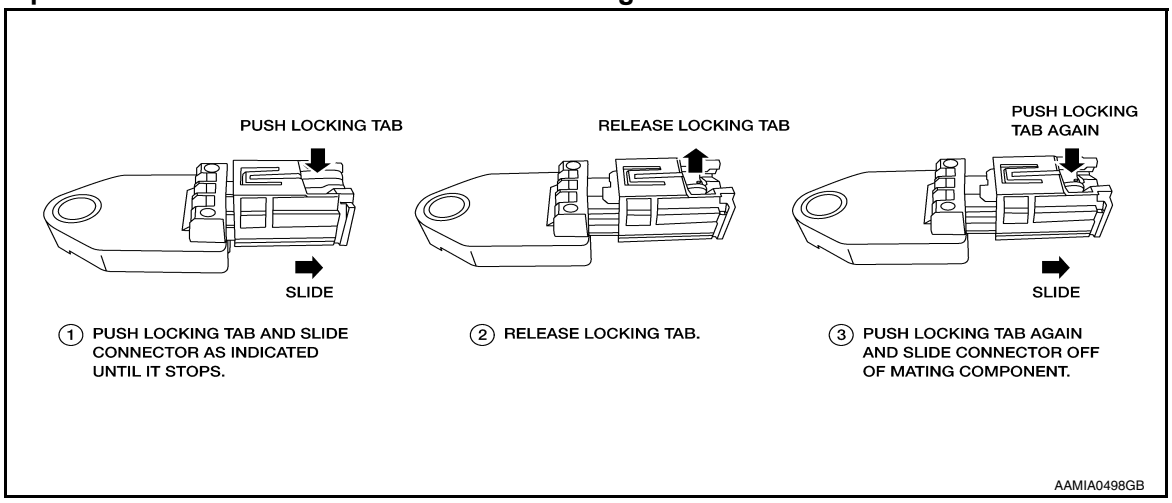


SLIDE DOUBLE LOCKING

- 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.**

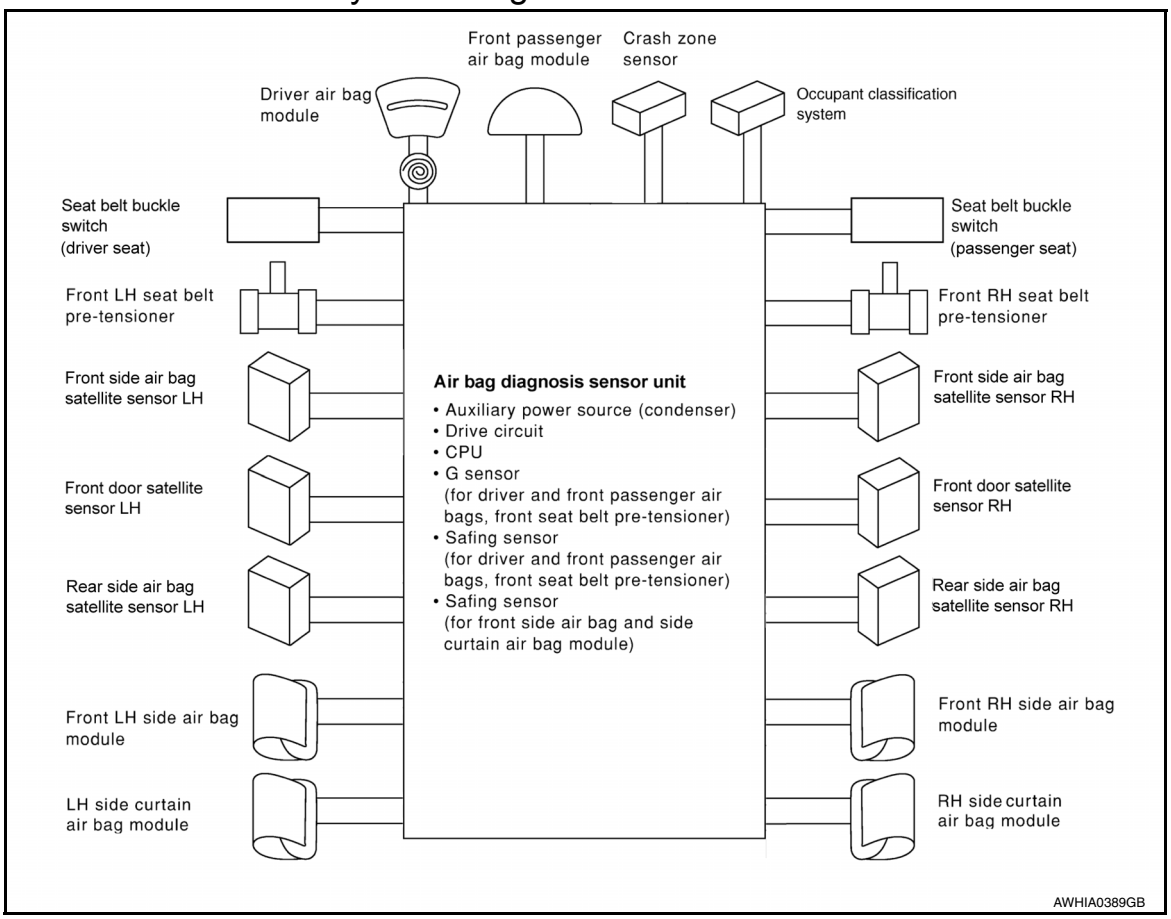


SYSTEM

SRS AIR BAG SYSTEM

SRS AIR BAG SYSTEM : System Diagram

INFOID:0000000012786860



SRS AIR BAG SYSTEM : System Description

INFOID:0000000012786861

- 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.

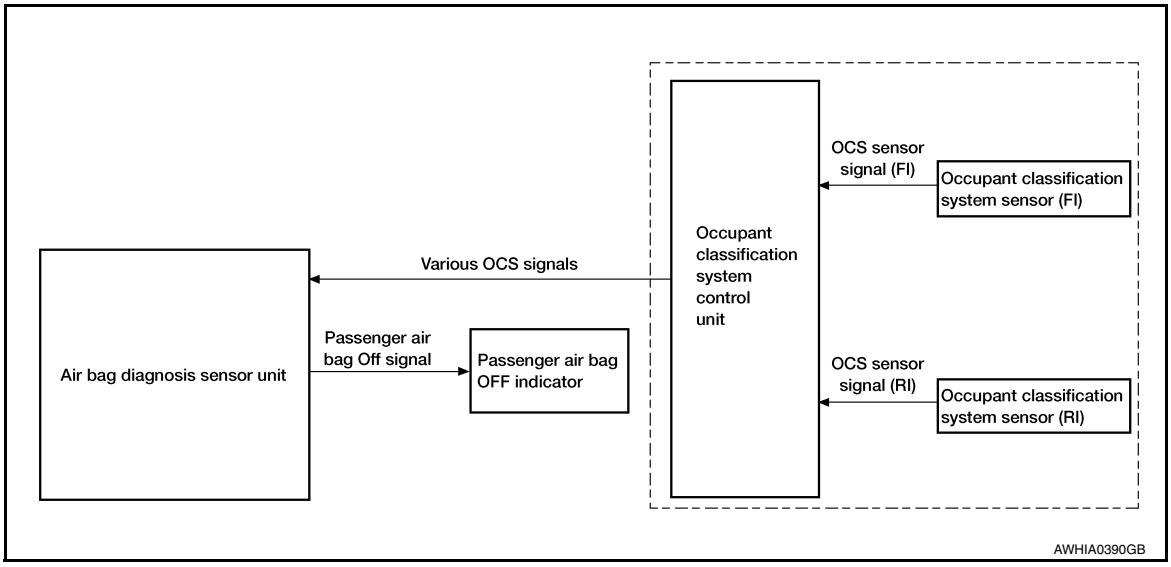
SRS Collision Modes

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	—	—
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:0000000012786862



OCCUPANT CLASSIFICATION SYSTEM : System Description

INFOID:0000000012786863

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:

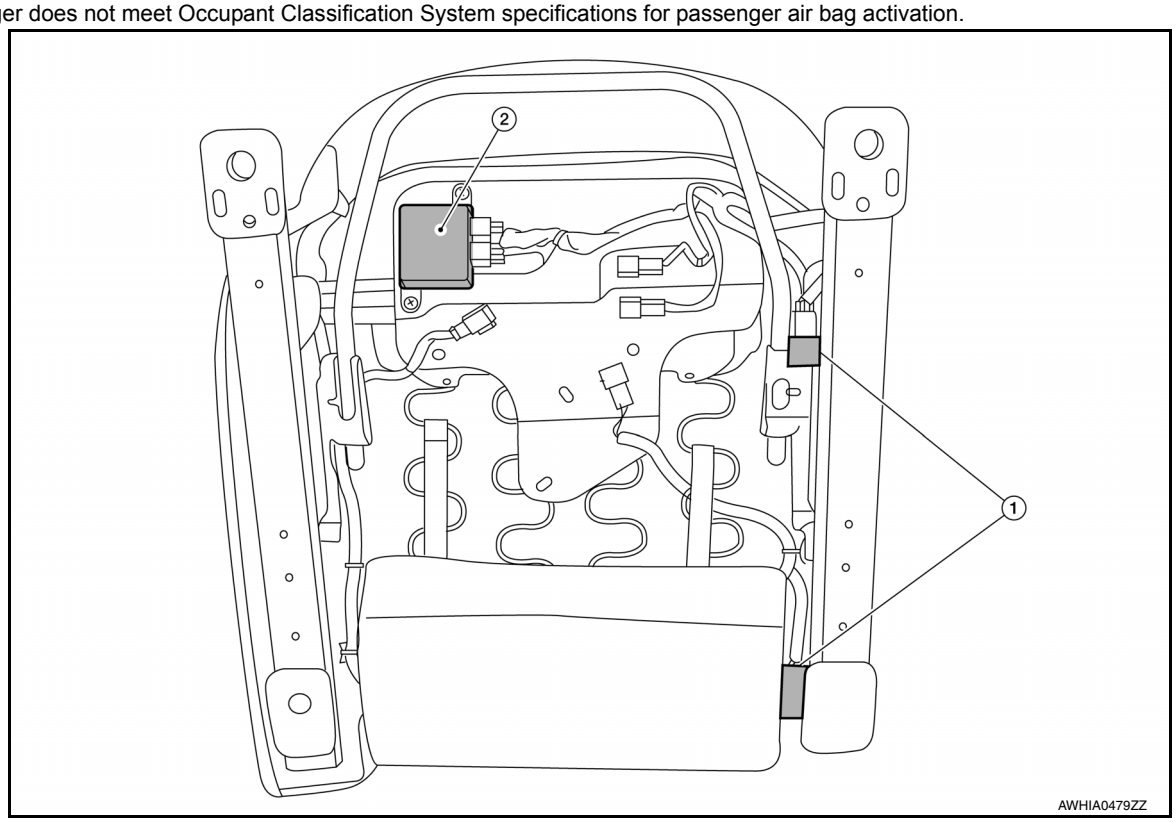
- CONSULT can be used to confirm when “zero point reset” for OCS is complete.
- Always perform zero point reset after the removal and installation of the seat or when disconnecting the OCS control unit harness connector even if zero point reset has been completed in the past.
- If zero point reset is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

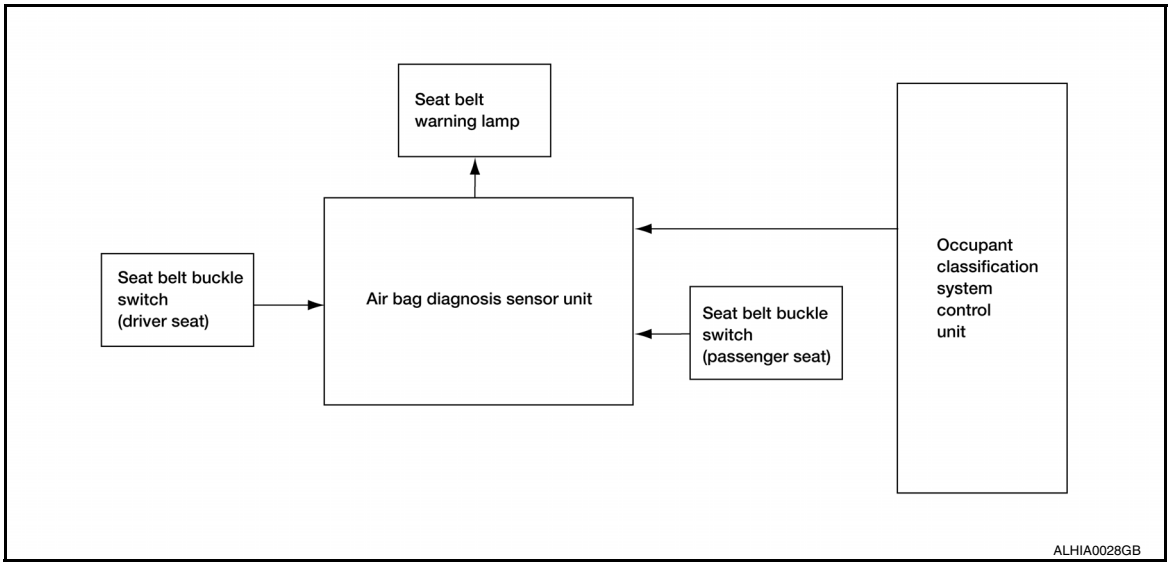
Passenger does not meet Occupant Classification System specifications for passenger air bag activation.



SEAT BELT WARNING LAMP SYSTEM

SEAT BELT WARNING LAMP SYSTEM : System Diagram

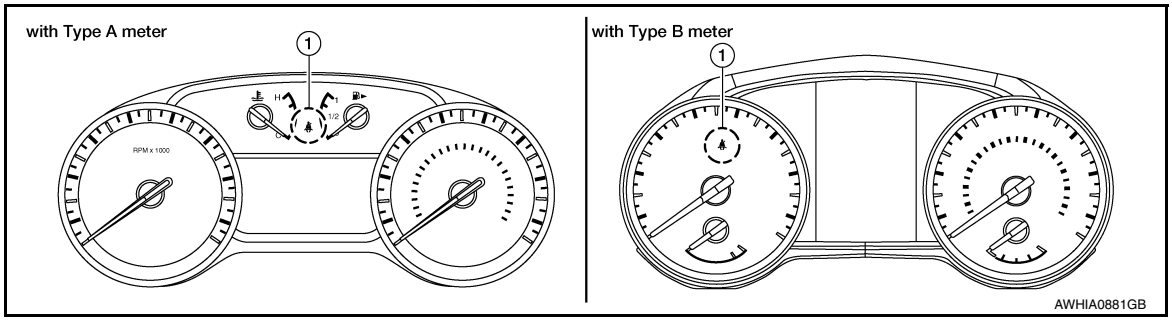
INFOID:0000000012786864



SEAT BELT WARNING LAMP SYSTEM : System Description

INFOID:0000000012786865

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-12, "OCCUPANT CLASSIFICATION SYSTEM : System Description".



Seat Belt Warning System Operation

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)

Description

INFOID:0000000012786866

CAUTION:

- **Never use electrical test equipment on any circuit related to the SRS unless instructed in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**
- **Never repair, splice or modify the SRS wiring harness. If the harness is damaged, replace it with a new one.**
- **Keep ground portion clean.**

DIAGNOSIS FUNCTION

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

×: Application, —: Not application

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

On Board Diagnosis Function

INFOID:0000000012786867

ON-BOARD DIAGNOSIS

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

- USER MODE
- DIAGNOSIS MODE

METHOD OF STARTING

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

Procedure to Change Diagnosis Mode

1. Turn ignition switch from OFF to ON.
2. SRS air bag lamp turns ON for 7 second and turns OFF, then turn ignition switch OFF within 2 second after the lamp turns OFF.
   NOTE:
   When in Diagnosis Mode, the air bag warning lamp may illuminate for more than 7 seconds after the ignition switch is turned ON. If this is the case, the ignition switch must still be cycled OFF after 7 seconds.
3. After turning ignition switch OFF, wait for 3 seconds or more.
4. Repeat operation 1 to 3 for 2 times so that operation 1 to 3 is repeated for 3 times in total.
5. Turn ignition switch from OFF to ON. Diagnosis mode changes.

USER MODE

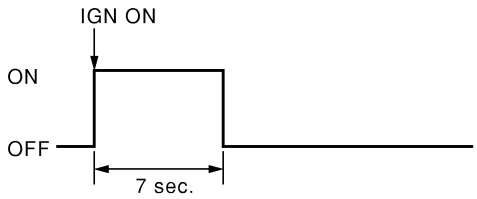
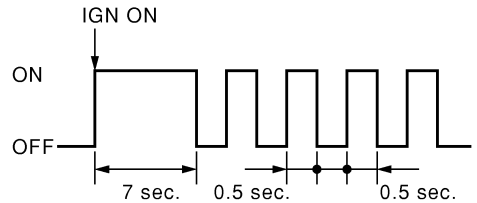
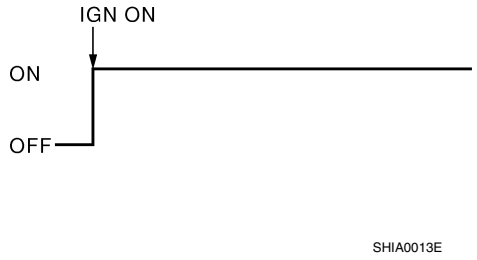
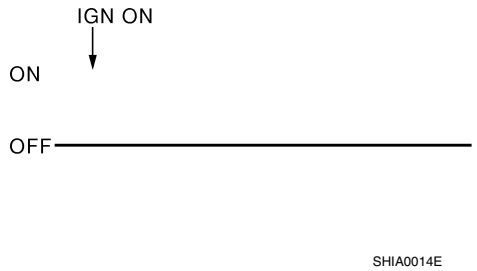
In USER MODE, air bag warning lamp on combination meter turning ON when a malfunction is detected and warns the customer (driver).

How to Read Air Bag Warning Lamp

1. Turn the ignition switch from OFF to ON, and check that the air bag warning lamp turns ON.
2. Compare the air bag warning lamp operation pattern with the examples.

Air Bag Warning Lamp Examples:

Air bag warning lamp flashing pattern (User Mode)

Warning lamp	SRS condition	Reference item
	• No malfunction is detected. • No further action is necessary.	—
	The system is malfunctioning and needs to be repaired.	Refer to SRC-16, "Trouble Diagnosis with CONSULT" or SRC-17, "Trouble Diagnosis without CONSULT".
	Zero point reset is incomplete	Refer to SRC-41, "ZERO POINT RESET : Special Repair Requirement".
	• 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-123, "Diagnosis Procedure".
	• Air bag diagnosis sensor unit is malfunctioning. • Air bag warning lamp circuit is malfunctioning.	Refer to SRC-124, "Diagnosis Procedure".

Trouble Diagnosis with CONSULT

INFOID:0000000012786868

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-17, "SRS Final Check".
- SRS system malfunctions intermittently. Refer to SRC-42, "Inspection Procedure".

Trouble Diagnosis without CONSULT

INFOID:0000000012786869

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-23, "Flash Code Index".

SRS History Check

INFOID:0000000012786870

SRS HISTORY CHECK

1. Check repair history of the SRS. If no repairs have been made, perform SRC-15, "On Board Diagnosis Function". If repairs have been made, GO TO step 2.
2. Erase ”SELF-DIAG [PAST]” after repair. Refer to SRC-17, "SRS Final Check".

SRS Final Check

INFOID:0000000012786871

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-15, "On Board Diagnosis Function".
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-15, "On Board Diagnosis Function".

CONSULT Function (AIR BAG)

INFOID:0000000012786872

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:0000000012786873

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:0000000012786874

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]			
B0091–11	B-PILLAR SAT SEN LH [GND-SHORT]	Sensor system	2	SRC-72, "Diagnosis Procedure"
B0091–23	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]			
B0091–24	B-PILLAR SAT SEN LH [UPPER LIMIT ERR]			
B0091–25	B-PILLAR SAT SEN LH [SELF-DIAG ERR]			
B0091–28	B-PILLAR SAT SEN LH [OFFSET ERR]			
B0091–81	B-PILLAR SAT SEN LH [COMM ERR]			
B0091–86	B-PILLAR SAT SEN LH [UNMATCH]			
B0091–88	B-PILLAR SAT SEN LH [OPEN]			
B0091–93	B-PILLAR SAT SEN LH [RESET]			
B0092–11	C-PILLAR SAT SEN LH [GND-SHORT]	Sensor system	4	SRC-75, "Diagnosis Procedure"
B0092–23	C-PILLAR SAT SEN LH [LOWER LIMIT ERR]			
B0092–24	C-PILLAR SAT SEN LH [UPPER LIMIT ERR]			
B0092–93	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-78, "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]			

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B0094–11	CRASH ZONE SENS [GND-SHORT]	Sensor system	1	SRC-81, "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]			
B0096–11	B-PILLAR SAT SEN RH [GND-SHORT]	Sensor system	3	SRC-84, "Diagnosis Procedure"
B0096–23	B-PILLAR SAT SEN RH [LOWER LIMIT ERR]			
B0096–24	B-PILLAR SAT SEN RH [UPPER LIMIT ERR]			
B0096–25	B-PILLAR SAT SEN RH [SELF-DIAG ERR]			
B0096–28	B-PILLAR SAT SEN RH [OFFSET ERR]			
B0096–81	B-PILLAR SAT SEN RH [COMM ERR]			
B0096–86	B-PILLAR SAT SEN RH [UNMATCH]			
B0096–88	B-PILLAR SAT SEN RH [OPEN]			
B0096–93	B-PILLAR SAT SEN RH [RESET]			
B0097–11	C-PILLAR SAT SEN RH [GND-SHORT]	Sensor system	5	SRC-87, "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-90, "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]			

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B00A0–00	OCCUPANT SENS [ABNOMAL VOLTAGE]	Air bag control unit system	4	SRC-93, "Diagnosis Procedure (B00A0-00, -02 or -09)"
B00A0–02	OCCUPANT SENS [UNIT MALFUNC]			
B00A0–09	OCCUPANT SENS [UNIT MALFUNC]			
B00A0–04	OCCUPANT SENS C/U [UNIT MALFUNC]			SRC-94, "Diagnosis Procedure (B00A0-04)"
B00A0–83	OCCUPANT SENS C/U [COMM ERR]			SRC-95, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
B00A0–86	OCCUPANT SENS C/U [COMM ERR]			
B00A0–87	OCCUPANT SENS C/U [COMM ERR]			
B00A0–88	OCCUPANT SENS C/U [COMM ERR]			
B00A0–8F	OCCUPANT SENS C/U [UNDEFINED]			
B00A0–93	OCCUPANT SENS C/U [RESET]			SRC-96, "Diagnosis Procedure (B00A0-93)"
B00D5–04	PASS A/B INDCTR CKT [UNIT MALFUNC]	Air bag control unit system	3	SRC-100, "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]			
B1428–13	BUCKLE SW LH CIRCUIT [OPEN]	Air bag control unit system	8	SRC-103, "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-106, "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-110, "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-114, "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-110, "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]			

DTC	Diagnostic item	Number of times of warning lamp blinking in diagnosis mode		Reference page
		System display	Item display	
B1433–09	PRE-TEN FRONT RH 2 [SHORT]	Front air bag system	6	SRC-114, "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-117, "Diagnosis Procedure"
B142A–17	IGNITION VOLTAGE [VB-HIGH]	—	—	
B1400–00	CONTROL UNIT [UNIT MALFUNC]	Air bag control unit system	2	SRC-121, "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-119, "Diagnosis Procedure"
B1422–00	SIDE COLLISION	Air bag control unit system		
B1423-00	ROLLOVER DETECTION	Air bag control unit system		
B1425-00	REAR COLLISION	Air bag control unit system		
B1426-00	AIR BAG DISPOSAL	Air bag control unit system		SR-13, "Removal and Installation"

Flash Code Index

INFOID:0000000012786875

WARNING LAMP FLASH CODE CHART

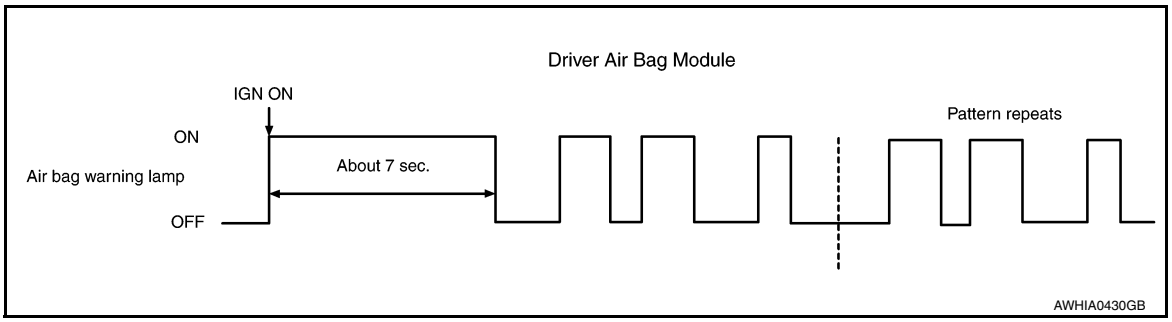
How to read flash codes

1. Put the vehicle in Diagnosis Mode. Refer to SRC-16, "Trouble Diagnosis with 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.

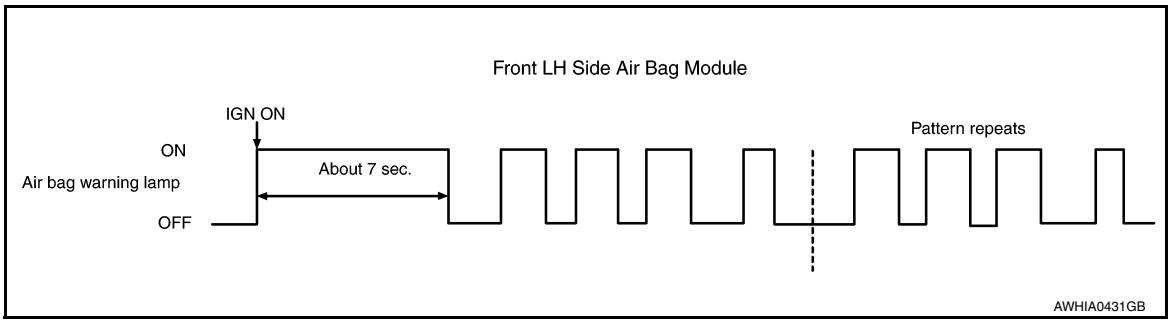
Refer to the illustrations below for an example of each flashing pattern.

Front subsystem



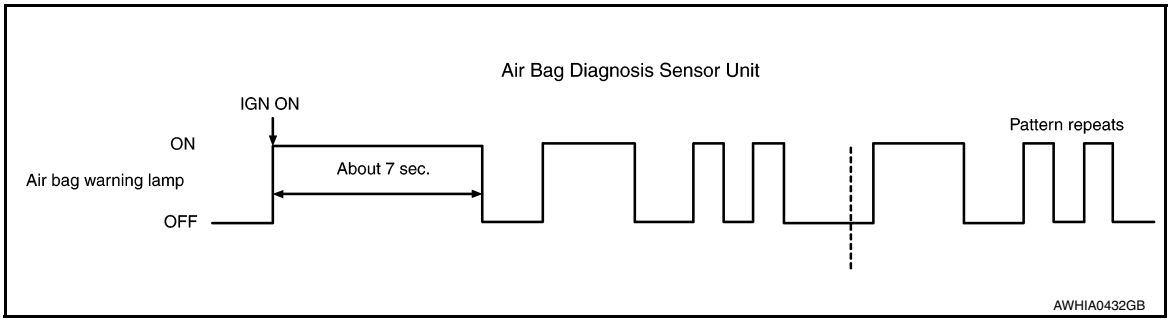
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	1	Driver air bag module	SRC-46, "Diagnosis Procedure"
		2	Passenger air bag module	SRC-50, "Diagnosis Procedure"
		3	Front LH seat belt pre-tensioner (shoulder)	SRC-110, "Diagnosis Procedure"
		4	Front RH seat belt pre-tensioner (shoulder)	SRC-114, "Diagnosis Procedure"
		5	Front LH seat belt pre-tensioner (lap)	SRC-110, "Diagnosis Procedure"
		6	Front RH seat belt pre-tensioner (lap)	SRC-114, "Diagnosis Procedure"

Side subsystem



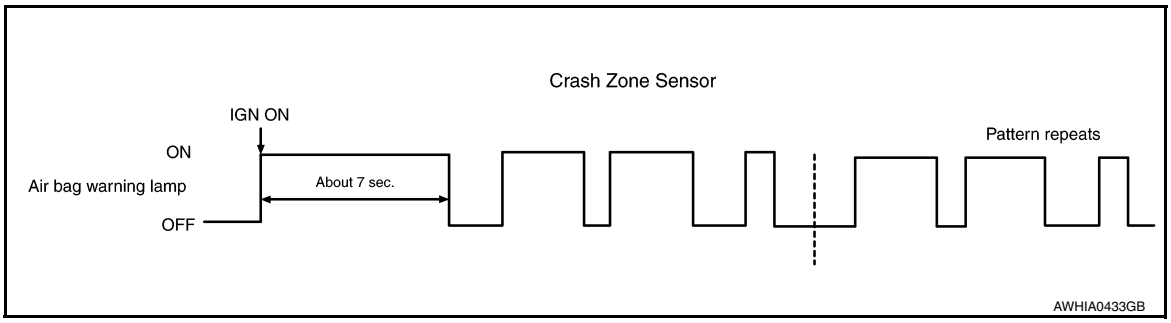
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
3	1.5	1	Front LH side air bag module	SRC-60, "Diagnosis Procedure"
		2	Front RH side air bag module	SRC-66, "Diagnosis Procedure"
		3	LH side curtain air bag module	SRC-63, "Diagnosis Procedure"
		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-119, "Diagnosis Procedure"
		2	Air bag diagnosis sensor unit	SRC-121, "Diagnosis Procedure"
		3	Passenger air bag OFF indicator	SRC-100, "Diagnosis Procedure"
		4	Occupant classification system	SRC-92, "DTC Description"

Sensor subsystem



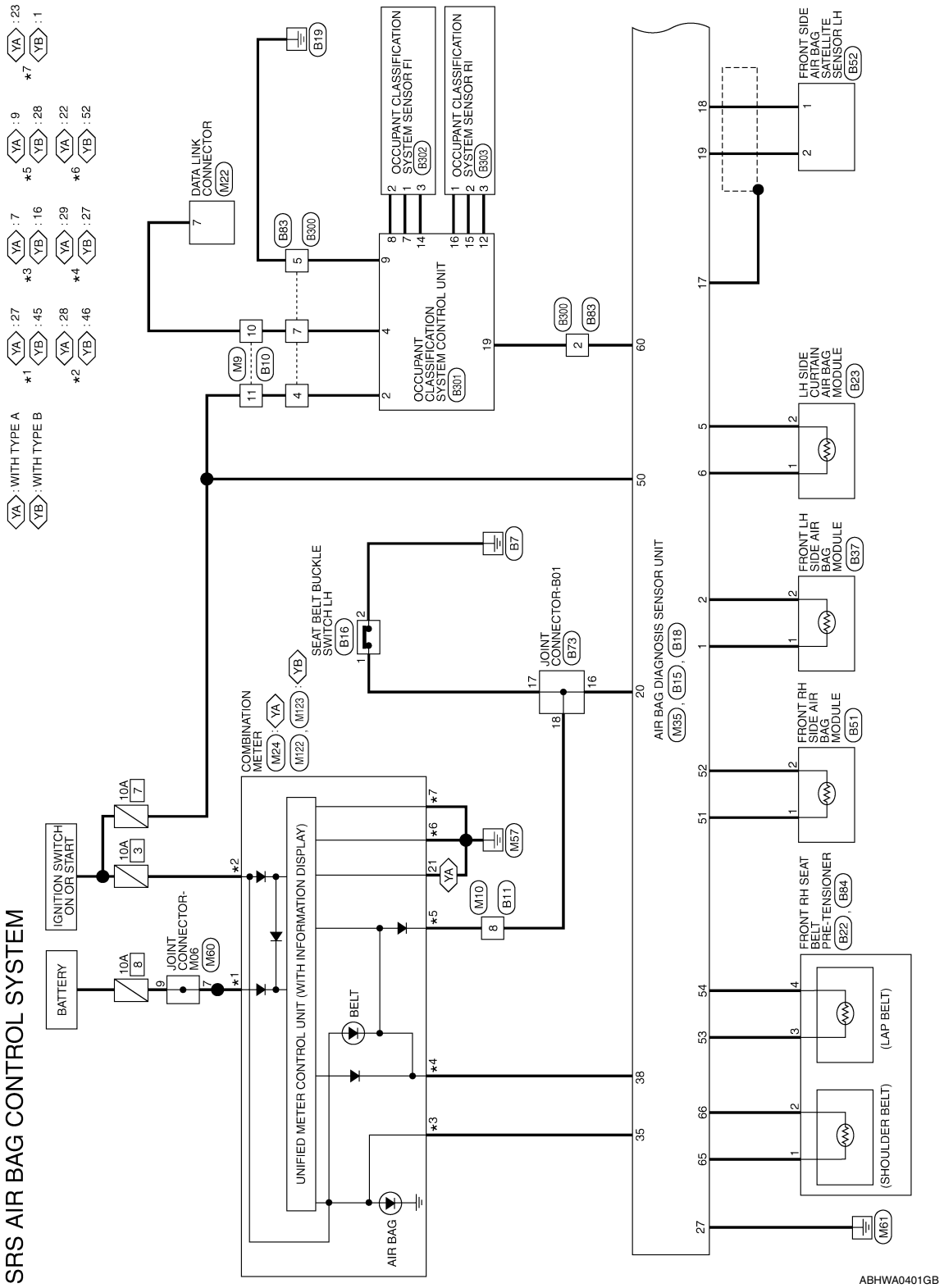
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	1	Crash zone sensor	SRC-81, "Diagnosis Procedure"
		2	Front side air bag satellite sensor LH	SRC-72, "Diagnosis Procedure"
		3	Front side air bag satellite sensor RH	SRC-84, "Diagnosis Procedure"
		4	Rear side air bag satellite sensor LH	SRC-75, "Diagnosis Procedure"
		5	Rear side air bag satellite sensor RH	SRC-87, "Diagnosis Procedure"
		6	Front door satellite sensor LH	SRC-78, "Diagnosis Procedure"
		7	Front door satellite sensor RH	SRC-90, "Diagnosis Procedure"
		8	Seat belt buckle switch LH	SRC-103, "Diagnosis Procedure"
		9	Seat belt buckle switch RH	SRC-106, "Diagnosis Procedure"

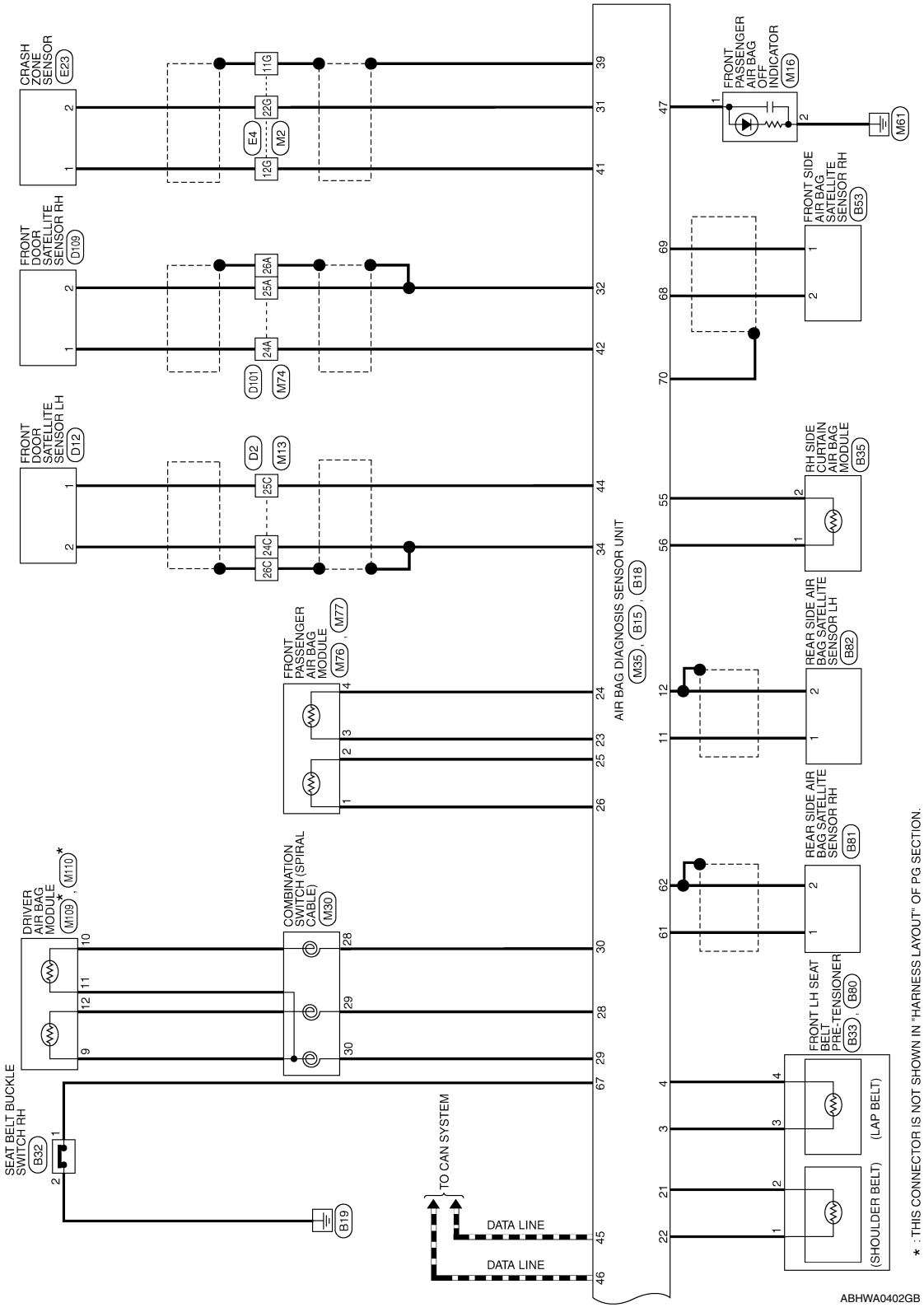
WIRING DIAGRAM

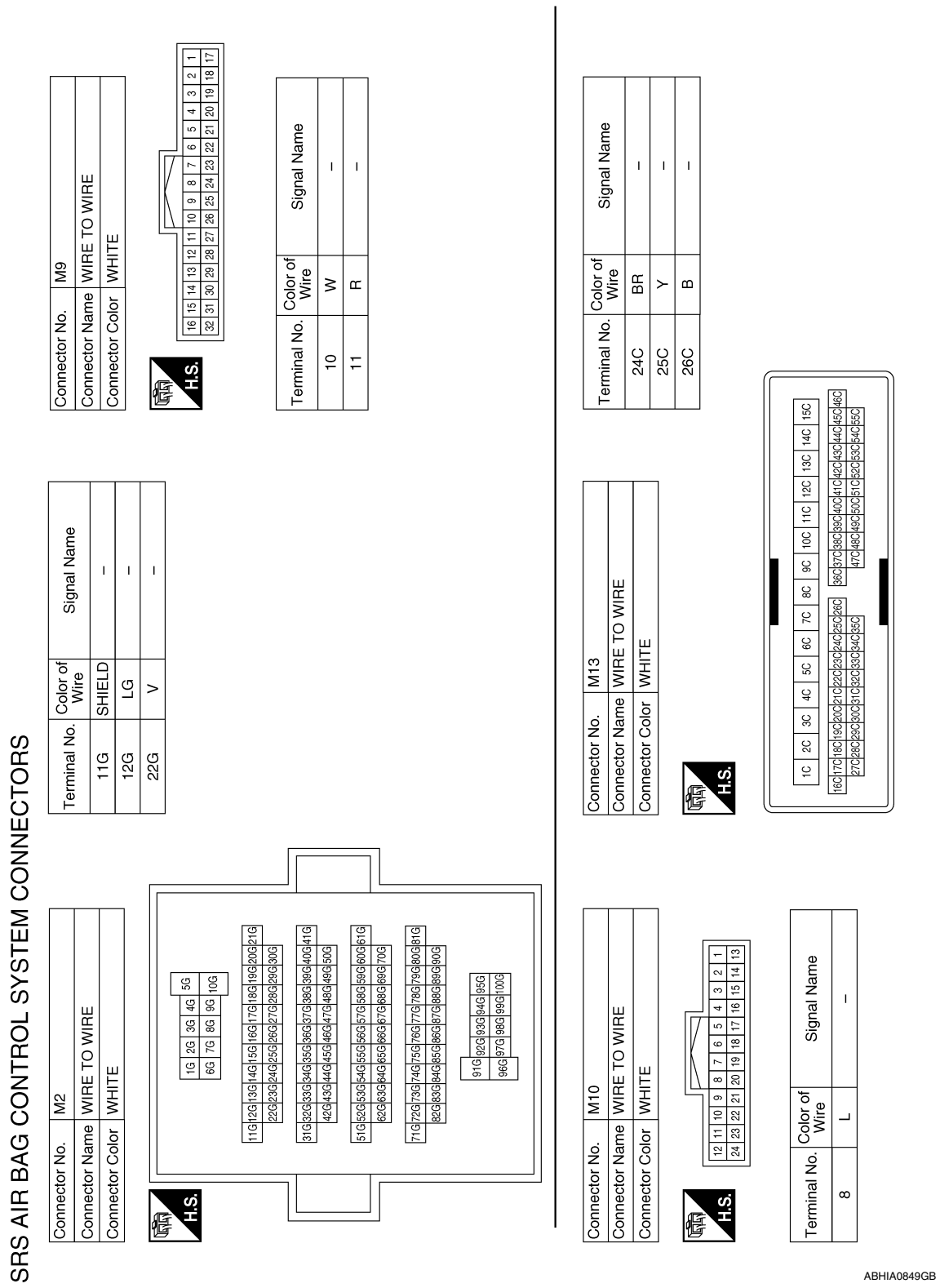
SRS AIR BAG SYSTEM

Wiring Diagram

INFOID:0000000012786876




CRASH ZONE SENSOR E23
FRONT DOOR SATELLITE SENSOR RH D109
FRONT DOOR SATELLITE SENSOR LH D12
AIR BAG DIAGNOSIS SENSOR UNIT (M35), (B15), (B18)
FRONT PASSENGER AIR BAG MODULE (M76), (M77)
DRIVER AIR BAG MODULE (M109), (M110)*
COMBINATION SWITCH (SPIRAL CABLE) M30
SEAT BELT BUCKLE SWITCH RH B32
B19
TO CAN SYSTEM
DATA LINE
DATA LINE
FRONT PASSENGER AIR BAG OFF INDICATOR M16
M61
FRONT SIDE AIR BAG SATELLITE SENSOR RH B53
RH SIDE CURTAIN AIR BAG MODULE B35
REAR SIDE AIR BAG SATELLITE SENSOR LH B82
REAR SIDE AIR BAG SATELLITE SENSOR RH B81
FRONT LH SEAT BELT PRE-TENSIONER B33, B80
(SHOULDER BELT)
(LAP BELT)
*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.
ABHWA0402GB


SRS AIR BAG CONTROL SYSTEM CONNECTORS
Connector No. M2
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
11G SHIELD –
12G LG –
22G V –
Connector No. M9
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17
Terminal No. Color of Wire Signal Name
10 W –
11 R –
Connector No. M10
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
12 11 10 9 8 7 6 5 4 3 2 1
24 23 22 21 20 19 18 17 16 15 14 13
Terminal No. Color of Wire Signal Name
8 L –
Connector No. M13
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
1C 2C 3C 4C 5C 6C 7C 8C 9C 10C 11C 12C 13C 14C 15C
16C 17C 18C 19C 20C 21C 22C 23C 24C 25C 26C 36C 37C 38C 39C 40C 41C 42C 43C 44C 45C 46C
27C 28C 29C 30C 31C 32C 33C 34C 35C 47C 48C 49C 50C 51C 52C 53C 54C 55C
Terminal No. Color of Wire Signal Name
24C BR –
25C Y –
26C B –
ABHIA0849GB

Connector No.	M24
Connector Name	COMBINATION METER (WITH TYPE A)
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
7	SB	AIR BAG
9	L	BELT
21	B	GND (ILLUMINATION)
22	B	GND (POWER)
23	B	GND (CIRCUIT)
27	LG	BAT
28	GR	IGN
29	V	AS BELT

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	W	–

Connector No.	M16
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Color	BROWN

H.S.

1	2

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

Connector No.	M30
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	Y	–
29	V	–
30	G	–

ABHIA1249GB

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

H.S.

Terminal No.	Color of Wire	Signal Name
23	L	AS2 (+)
24	BR	AS2 (-)

Terminal No.	Color of Wire	Signal Name
25	Y	AS1 (-)
26	R	AS1 (+)
27	B	GND
28	V	DR2 (+)
29	G	DR1 (-)&DR2 (-)
30	Y	DR1 (+)
31	V	ECZS (-)
32	G	RH DOOR-SAT (-)
34	BR	LH DOOR-SAT (-)
35	SB	AWL

Terminal No.	Color of Wire	Signal Name
38	V	SBR
39	SHIELD	GND
41	LG	ECZS (+)
42	R	RH DOOR-SAT (+)
44	Y	LH DOOR-SAT (+)
45	P	CAN-L
46	L	CAN-H
47	G	TELLTALE LAMP
50	BR	IGN

Connector No.	M60
Connector Name	JOINT CONNECTOR-M06
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
7	W	–
9	W	–

Connector No.	M74
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
24A	R	–
25A	G	–
26A	B	–

Connector No.	M76
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Color	BLACK

H.S.

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

ABHIA1250GB

Connector No.	M77
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Color	ORANGE

H.S.

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

Connector No.	M109
Connector Name	DRIVER AIR BAG MODULE
Connector Color	YELLOW

H.S.

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

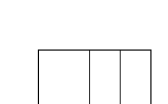
Connector No.	M110
Connector Name	DRIVER AIR BAG MODULE
Connector Color	ORANGE

H.S.

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

Connector No.	M122
Connector Name	COMBINATION METER (WITH TYPE B)
Connector Color	WHITE

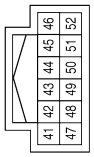
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	GND
16	SB	AIR BAG
27	V	AS BELT SW
28	L	DR BELT SW

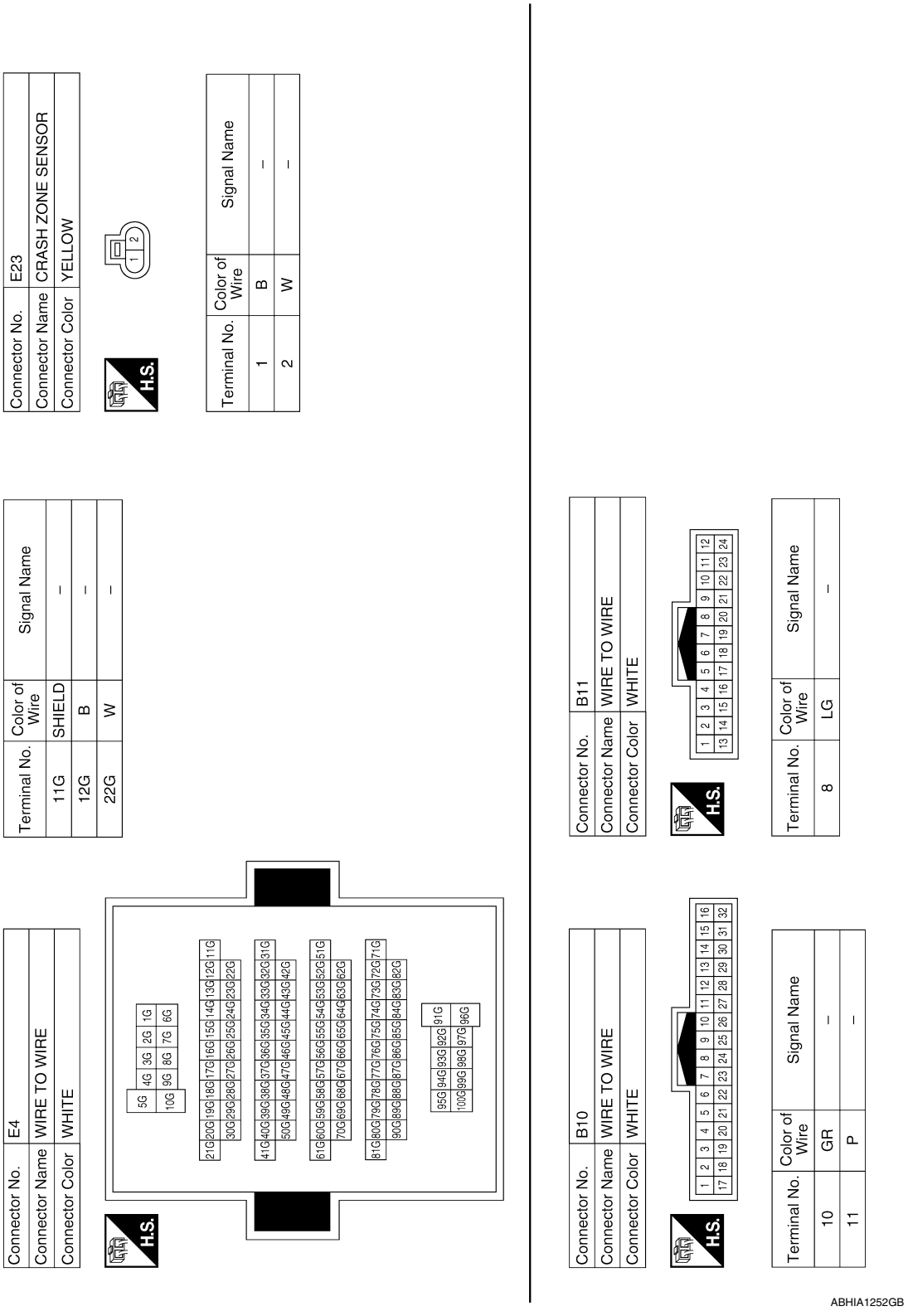
Connector No.	M123
Connector Name	COMBINATION METER (WITH TYPE B)
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
45	LG	BAT
46	GR	IGN
52	B	GND

ABHIA1251GB


Connector No. E23
Connector Name CRASH ZONE SENSOR
Connector Color YELLOW
H.S.
1 2
Terminal No. Color of Wire Signal Name
1 B –
2 W –
Terminal No. Color of Wire Signal Name
11G SHIELD –
12G B –
22G W –
Connector No. E4
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
5G 4G 3G 2G 1G
10G 9G 8G 7G 6G
21G 20G 19G 18G 17G 16G 15G 14G 13G 12G 11G
30G 29G 28G 27G 26G 25G 24G 23G 22G
41G 40G 39G 38G 37G 36G 35G 34G 33G 32G 31G
50G 49G 48G 47G 46G 45G 44G 43G 42G
61G 60G 59G 58G 57G 56G 55G 54G 53G 52G 51G
70G 69G 68G 67G 66G 65G 64G 63G 62G
81G 80G 79G 78G 77G 76G 75G 74G 73G 72G 71G
90G 89G 88G 87G 86G 85G 84G 83G 82G
95G 94G 93G 92G 91G
100G 99G 98G 97G 96G
Connector No. B11
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
1 2 3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22 23 24
Terminal No. Color of Wire Signal Name
8 LG –
Connector No. B10
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
Terminal No. Color of Wire Signal Name
10 GR –
11 P –
ABHIA1252GB

Connector No.	B16
Connector Name	SEAT BELT BUCKLE SWITCH LH
Connector Color	WHITE

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

Connector No.	B22
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER (SHOULDER BELT)
Connector Color	YELLOW

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

Connector No.	B15
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW

Terminal No.	Color of Wire	Signal Name
4	GR	LH SQUIB #2 (-)
5	Y	LH SQUIB #3 (-)
6	BR	LH SQUIB #3 (+)
11	W	LH C-SAT (+)
12	B	LH C-SAT (-)
17	SHIELD	GND
18	P	LH B-SAT (+)
19	L	LH B-SAT (-)
20	V	LH BUCKLE SW (+)
21	V	P-LH1 (-)
22	R	P-LH1 (+)

Terminal No.	Color of Wire	Signal Name
1	G	LH SQUIB #1 (+)
2	Y	LH SQUIB #1 (-)
3	L	LH SQUIB #2 (+)

Connector No.	B18
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW

Terminal No.	Color of Wire	Signal Name
51	R	RH SQUIB #1 (+)
52	GR	RH SQUIB #1 (-)
53	R	RH SQUIB #2 (+)

Terminal No.	Color of Wire	Signal Name
54	V	RH SQUIB #2 (-)
55	BR	RH SQUIB #3 (-)
56	Y	RH SQUIB #3 (+)
60	R	ODS INPUT
61	V	RH C-SAT (+)
62	LG	RH C-SAT (-)
65	G	P-RH1 (+)
66	Y	P-RH1 (-)
67	LG	RH BUCKLE SW (+)
68	R	RH B-SAT (-)
69	G	RH B-SAT (+)
70	SHIELD	GND

ABHIA1253GB

Connector No.	B23
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Color	ORANGE

H.S.

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

Connector No.	B32
Connector Name	SEAT BELT BUCKLE SWITCH RH
Connector Color	WHITE

H.S.

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

Connector No.	B33
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER (SHOULDER BELT)
Connector Color	YELLOW

H.S.

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

Connector No.	B35
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Color	ORANGE

H.S.

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

Connector No.	B37
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Color	YELLOW

H.S.

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

Connector No.	B51
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Color	YELLOW

H.S.

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

ABHIA1254GB

Connector No.	B73
Connector Name	JOINT CONNECTOR-B01
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
16	V	–
17	R	–
18	LG	–

Connector No.	B53
Connector Name	FRONT SIDE AIR BAG SATELLITE SENSOR RH
Connector Color	YELLOW

H.S.

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

Connector No.	B52
Connector Name	FRONT SIDE AIR BAG SATELLITE SENSOR LH
Connector Color	YELLOW

H.S.

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

Connector No.	B82
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.	B81
Connector Name	REAR SIDE AIR BAG SATELLITE SENSOR RH
Connector Color	YELLOW

H.S.

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

Connector No.	B80
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER (LAP BELT)
Connector Color	ORANGE

H.S.

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

ABHIA1255GB

Connector No.	B83
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
2	R	–
4	P	–
5	B	–
7	GR	–

Connector No.	B84
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER (LAP BELT)
Connector Color	ORANGE

H.S.

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

Connector No.	B300
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

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

Connector No.	B301
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	–	–
2	W	IGN
3	–	–
4	GR	K-LINE
5	–	–
6	–	–
7	R/B	LOAD SENSOR FRONT INNER GND

Terminal No.	Color of Wire	Signal Name
8	LG	LOAD SENSOR FRONT INNER SIGNAL
9	B	GND
10	–	–
11	–	–
12	Y	LOAD SENSOR REAR INNER VCC
13	–	–
14	R	LOAD SENSOR FRONT INNER VCC
15	SB	LOAD SENSOR REAR INNER SIGNAL
16	W/L	LOAD SENSOR REAR INNER GND
17	–	–
18	–	–
19	BR/W	ACU COMM
20	–	–

Connector No.	B302
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR FI
Connector Color	BLACK

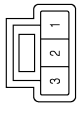
H.S.

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

ABHIA1256GB

Connector No.	B303
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR RI
Connector Color	BLACK

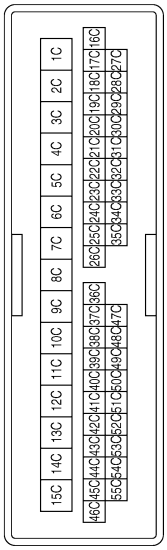
H.S.



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

Connector No.	D2
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
24C	G	–
25C	R	–
26C	B	–

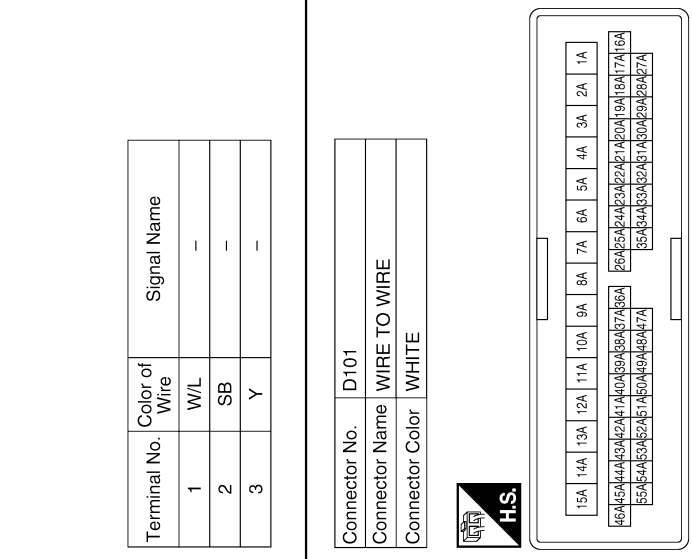
Connector No.	D12
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Color	YELLOW

H.S.

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

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
24A	R	–
25A	G	–
26A	B	–

Connector No.	D109
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Color	YELLOW

H.S.

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

ABHIA1257GB

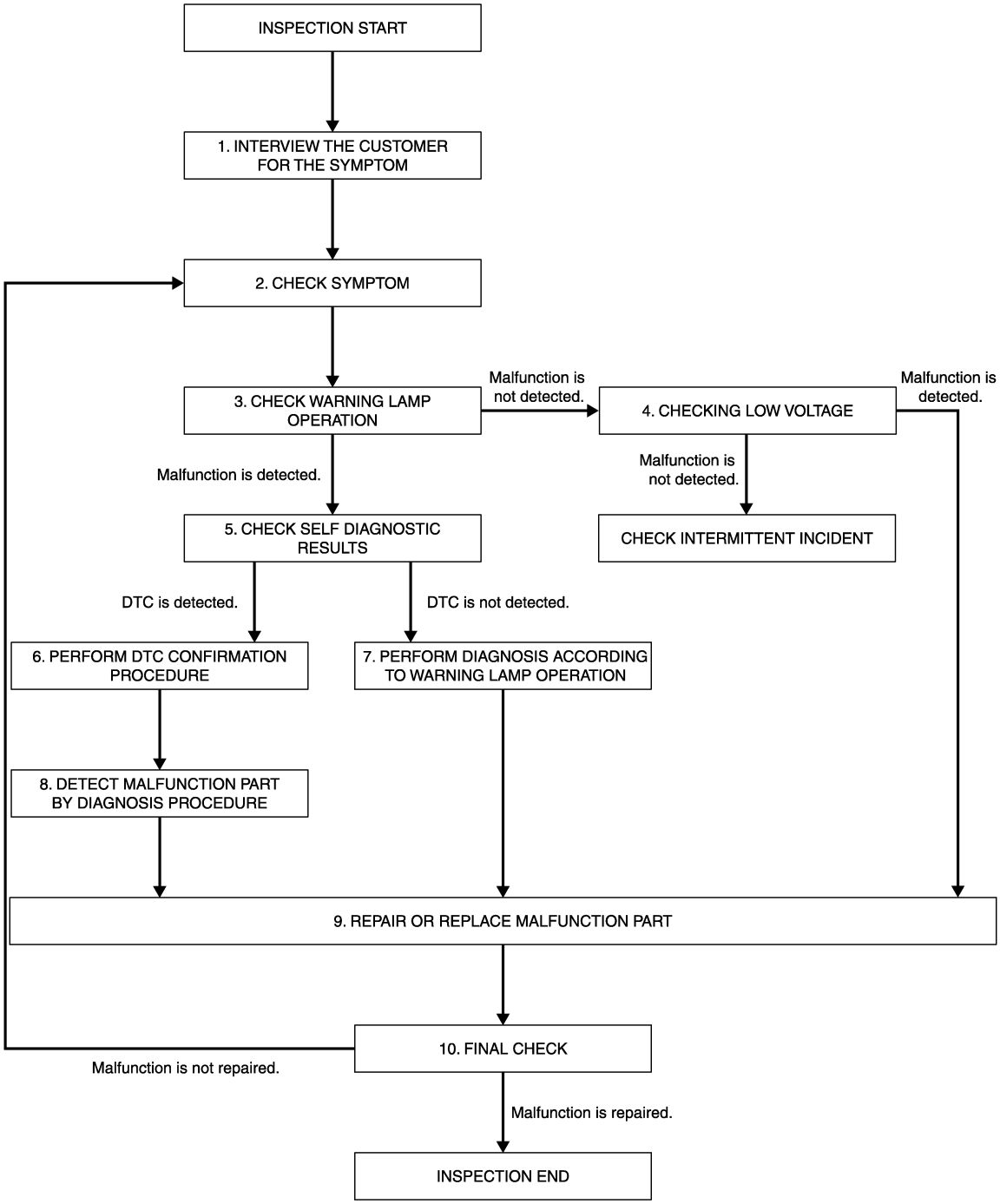
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000012786877

OVERALL SEQUENCE



JMHIA1324GB

DETAILED FLOW

1.INTERVIEW THE CUSTOMER FOR THE SYMPTOM

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

>> GO TO 2.

2.CHECK SYMPTOM

Check the symptom from the customer information.

>> GO TO 3.

3.CHECK WARNING LAMP OPERATION

Check air bag warning lamp operation in the user mode. Refer to SRC-15, "On Board Diagnosis Function".

Are any malfunction detected?

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

4.CHECK LOW VOLTAGE

Check low voltage.

Are any malfunction detected?

YES >> GO TO 9.
NO >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".

5.CHECK SELF DIAGNOSTIC RESULTS

Check self diagnostic result with CONSULT or diagnosis mode.
If it is impossible to switch to diagnosis mode, follow the same procedure that DTC is not detected.
NOTE:
Perform the following procedure if DTC is detected.
- Record DTC (Print them out with CONSULT.)
- Erase self diagnostic result.
- Study the relationship between the malfunction that DTC or air bag warning lamp indicates and the symptom that the customer describes.
- Check related service bulletins for information.

Is DTC detected?

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

6.PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the DTC.

>> GO TO 8.

7.PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION

1. Check air bag warning lamp operation in the user mode. Refer to SRC-15, "On Board Diagnosis Function".
2. Perform Diagnosis Procedure for the air bag warning lamp operation. Refer to SRC-15, "On Board Diagnosis Function" (USER MODE).

>> GO TO 9.

8.DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the DTC.

>> GO TO 9.

9.REPAIR OR REPLACE THE MALFUNCTION PART

Repair or replace the malfunctioning part.

>> GO TO 10.

10. FINAL CHECK

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

Is the malfunction repaired?

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

INSPECTION AND ADJUSTMENT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Description

INFOID:0000000012786878

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:0000000012786879

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:0000000012786880

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:0000000012786881

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:0000000012786882

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:0000000012786883

CHECK SRS REPAIR HISTORY

Refer to SRC-17, "SRS History Check".

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

DTC Description

INFOID:0000000012786884

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-32, "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:0000000012786885

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-41, "Intermittent Incident".

U1010 CONTROL UNIT (CAN)

DTC Description

INFOID:0000000012786886

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:0000000012786887

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-30, "Removal and Installation".

B0001 DRIVER AIR BAG MODULE

DTC Description

INFOID:0000000012786888

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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786889

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 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.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	
M109	10	M30	28	Yes
	11		30	

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace spiral cable. Refer to SR-18, "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		
M30	28		No
	30		

Is the inspection result normal?

YES >> GO TO 8.
NO >> Replace spiral cable. Refer to SR-18, "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-18, "Removal and Installation".

7.REPLACE SPIRAL CABLE

1. Replace spiral cable. Refer to SR-18, "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-13, "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-30, "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:0000000012786890

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

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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-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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786891

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 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.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	
M110	9	M30	30	Yes
	12		29	

Is the inspection result normal?

YES >> GO TO 9.
NO >> Replace spiral cable. Refer to SR-18, "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		
M30	29		No
	30		

Is the inspection result normal?

YES >> GO TO 8.
NO >> Replace spiral cable. Refer to SR-18, "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-18, "Removal and Installation".

7.REPLACE SPIRAL CABLE

1. Replace spiral cable. Refer to SR-18, "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-13, "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-30, "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:0000000012786892

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:0000000012786893

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

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

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

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

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

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786894

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-41, "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-41, "Intermittent Incident".

5. FRONT PASSENGER AIR BAG MODULE

1. Replace the front passenger air bag module. 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-30, "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:0000000012786895

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:0000000012786896

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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786897

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-41, "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-41, "Intermittent Incident".

5.FRONT PASSENGER AIR BAG MODULE

1. Replace the front passenger air bag module. 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-30, "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:0000000012786898

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:0000000012786899

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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786900

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-41, "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-41, "Intermittent Incident".

5. SIDE AIR BAG MODULE LH

1. Replace the side air bag module LH. Refer to SR-26, "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-30, "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:0000000012786901

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:0000000012786902

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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786903

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-41, "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-41, "Intermittent Incident".

5.SIDE CURTAIN AIR BAG MODULE LH

1. Replace the side curtain air bag module LH. Refer to SR-24, "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-30, "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:0000000012786904

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:0000000012786905

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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786906

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-41, "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-41, "Intermittent Incident".

5.SIDE AIR BAG MODULE RH

1. Replace the side air bag module RH. Refer to SR-26, "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-30, "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:0000000012786907

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:0000000012786908

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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786909

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-41, "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-41, "Intermittent Incident".

5.SIDE CURTAIN AIR BAG MODULE RH

1. Replace the side curtain air bag module RH. Refer to SR-24, "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-30, "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**

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

Description

INFOID:0000000012786910

DTC B0091 FRONT SATELLITE SENSOR LH

The front side air bag satellite sensor LH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the front 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:0000000012786911

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

[B0091–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of B-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

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

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

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

[B0091–88]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of B-pillar satellite sensor LH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786912

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-41, "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-41, "Intermittent Incident".

5. FRONT SIDE AIR BAG SATELLITE SENSOR LH

1. Replace front side air bag satellite sensor LH. Refer to SR-28, "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-30, "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:0000000012786913

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:0000000012786914

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0092–11	C-PILLAR SAT SEN LH [Left Side Restraints Sensor 1 (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-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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786915

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-41, "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-41, "Intermittent Incident".

5. REAR SIDE AIR BAG SATELLITE SENSOR LH

1. Replace rear side air bag satellite sensor LH. Refer to SR-28, "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-30, "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:0000000012786916

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:0000000012786917

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-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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786918

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-41, "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-41, "Intermittent Incident".

5. FRONT DOOR SATELLITE SENSOR LH

1. Replace the front door satellite sensor LH. Refer to SR-28, "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-30, "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:0000000012786919

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:0000000012786920

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-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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786921

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-41, "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-41, "Intermittent Incident".

5. CRASH ZONE SENSOR

1. Replace the crash zone sensor. 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 6.
NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-30, "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**

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

Description

INFOID:0000000012786922

DTC B0096 FRONT SATELLITE SENSOR RH

The front side air bag satellite sensor RH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the front 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:0000000012786923

DTC DETECTION LOGIC

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

POSSIBLE CAUSE

[B0096–11]
- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of B-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

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

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

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

[B0096–88]
- Connection malfunction or open circuit of harness and connector
- Internal malfunction of B-pillar satellite sensor RH
- Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (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-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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786924

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-41, "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-41, "Intermittent Incident".

5. FRONT SIDE AIR BAG SATELLITE SENSOR RH

1. Replace front side air bag satellite sensor RH. Refer to SR-28, "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-30, "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:0000000012786925

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:0000000012786926

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)		DTC detecting condition
B0097–11	C-PILLAR SAT SEN RH [Right Frontal Restraints Sensor 1(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-87, "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-87, "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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-87, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012786927

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-41, "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-41, "Intermittent Incident".

5. REAR SIDE AIR BAG SATELLITE SENSOR RH

1. Replace rear side air bag satellite sensor RH. Refer to SR-28, "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-30, "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:0000000012786928

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:0000000012786929

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-90, "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-90, "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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-90, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012786930

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-41, "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-41, "Intermittent Incident".

5. FRONT DOOR SATELLITE SENSOR RH

1. Replace the front door satellite sensor RH. Refer to SR-28, "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-30, "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**

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

Description

INFOID:0000000012786931

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:0000000012786932

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-93, "Diagnosis Procedure (B00A0-00, -02 or -09)"
- B00A0-04: SRC-94, "Diagnosis Procedure (B00A0-04)"
- B00A0-83, -86, -87, -88 or -8F: SRC-95, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
- B00A0-93: SRC-96, "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-93, "Diagnosis Procedure (B00A0-00, -02 or -09)"
- B00A0-04: SRC-94, "Diagnosis Procedure (B00A0-04)"
- B00A0-83, -86, -87, -88 or -8F: SRC-95, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
- B00A0-93: SRC-96, "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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to:
- B00A0-00, -02 or -09: SRC-93, "Diagnosis Procedure (B00A0-00, -02 or -09)"
- B00A0-04: SRC-94, "Diagnosis Procedure (B00A0-04)"
- B00A0-83, -86, -87, -88 or -8F: SRC-95, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"
- B00A0-93: SRC-96, "Diagnosis Procedure (B00A0-93)"

NO >> Inspection End.

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

INFOID:0000000012786933

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 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 : Special Repair Requirement".

3.REPLACE OCS CONTROL UNIT AND SENSORS

1. Replace the OCS control unit and sensors. Refer to SR-32, "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 : Special Repair Requirement".

4.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-30, "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 : Special Repair Requirement".

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 : Special Repair Requirement".

6.REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-53, "PASSENGER SIDE : Disassembly and Assembly".
2. Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Special Repair Requirement".

>> Inspection End.

Diagnosis Procedure (B00A0-04)

INFOID:0000000012786934

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 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 : Special Repair Requirement".

3.REPLACE OCS CONTROL UNIT

1. Replace the OCS control unit. Refer to SR-32, "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 : Special Repair Requirement".

4. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-30, "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 : Special Repair Requirement".

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 : Special Repair Requirement".

6. REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to SR-32, "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 : Special Repair Requirement".

7. REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-53, "PASSENGER SIDE : Disassembly and Assembly".
2. Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Special Repair Requirement".

>> Inspection End.

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

INFOID:0000000012786935

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 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 : Special Repair Requirement".

3.REPLACE OCS CONTROL UNIT AND SENSORS

1. Replace the OCS control unit and sensors. Refer to SR-32, "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 : Special Repair Requirement".

4.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-30, "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 : Special Repair Requirement".

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 : Special Repair Requirement".

6.REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-53, "PASSENGER SIDE : Disassembly and Assembly".
2. Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Special Repair Requirement".

>> Inspection End.

Diagnosis Procedure (B00A0-93)

INFOID:0000000012786936

1.PERFORM ZERO POINT RESET

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

4.REPLACE OCS CONTROL UNIT

1. Replace the OCS control unit. Refer to SR-32, "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 : Special Repair Requirement".

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-30, "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 : Special Repair Requirement".

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 : Special Repair Requirement".

7.REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to SR-32, "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 : Special Repair Requirement".

8.REPLACE PASSENGER SEAT CUSHION FRAME

1. Replace the passenger seat cushion frame. Refer to SE-53, "PASSENGER SIDE : Disassembly and Assembly".
2. Clear DTC and perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Special Repair Requirement".

>> Inspection End.

B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR

Description

INFOID:0000000012786937

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:0000000012786938

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-100, "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-100, "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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786939

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-41, "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-41, "Intermittent Incident".

5. PASSENGER AIR BAG OFF INDICATOR

1. Replace the passenger air bag off indicator. Refer to SR-39, "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-30, "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:0000000012786940

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:0000000012786941

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-103, "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-103, "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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-103, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012786942

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-41, "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-41, "Intermittent Incident".

5.SEAT BELT BUCKLE SWITCH LH

1. Replace the seat belt buckle switch LH. Refer to SR-38, "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-30, "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:0000000012786943

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:0000000012786944

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-106, "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-106, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786945

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-41, "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-41, "Intermittent Incident".

5.SEAT BELT BUCKLE SWITCH RH

1. Replace the seat belt buckle switch RH. Refer to SR-38, "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-30, "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:0000000012786946

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:0000000012786947

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-110, "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-110, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.

2. Check the air bag warning lamp status. Refer to SRC-15, "On Board Diagnosis Function".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000012786948

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-41, "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-41, "Intermittent Incident".

5. SEAT BELT PRE-TENSIONER LH

1. Replace the seat belt pre-tensioner LH. 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-30, "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:0000000012786949

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:0000000012786950

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-114, "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-114, "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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-114, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012786951

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-41, "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-41, "Intermittent Incident".

5. SEAT BELT PRE-TENSIONER RH

1. Replace the seat belt pre-tensioner RH. 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-30, "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:0000000012786952

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:0000000012786953

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-117, "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-117, "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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-117, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012786954

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-41, "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-41, "Intermittent Incident".

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-30, "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:0000000012786955

DTC B1421, B1422, B1423, B1425 and B1426 COLLISION 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:0000000012786956

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.
B1425–00	REAR COLLISION DETECTION	Rear collision detected.
B1426–00	AIR BAG DISPOSAL COMPLETION	Collision detected. Air bag diagnosis sensor unit had not yet been replaced following repairs.

POSSIBLE CAUSE

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

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

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

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

[B1426–00]
- 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-119, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012786957

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

B14XX AIR BAG DIAGNOSIS SENSOR UNIT

Description

INFOID:0000000012786958

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-17, "CONSULT Function (AIR BAG)".

PART LOCATION

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

DTC Description

INFOID:0000000012786959

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

—

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-121, "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-121, "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-15, "On Board Diagnosis Function".

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

Is the DTC detected?

YES >> Refer to SRC-121, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000012786960

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-41, "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-41, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. Refer to SR-30, "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 OFF

Diagnosis Procedure

INFOID:0000000012786961

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

Check the deployment of air bag module.

Is air bag module deployed?

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

2. CHECK AIR BAG FUSE

Check 10 A fuse [No.7, located in fuse block (J/B)].

Is the inspection result normal?

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

3. CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

4. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

5. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace air bag diagnosis sensor unit. Refer to SR-30, "Removal and Installation".
2. Check air bag warning lamp operation.

Is the inspection result normal?

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

6. REPLACE COMBINATION METER

1. Replace combination meter. Refer to MWI-74, "Removal and Installation" (with Type A Meter) or MWI-150, "Removal and Installation" (with Type B Meter).
2. Check air bag warning lamp operation.

Is the inspection result normal?

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

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:0000000012786962

1.CHECK COMBINATION METER POWER SUPPLY AND GROUND CIRCUIT

Check combination meter unit power supply and ground circuit. Refer to MWI-51, "COMBINATION METER : Diagnosis Procedure" (with Type A Meter) or MWI-126, "COMBINATION METER : Diagnosis Procedure" (with Type B Meter).

Is the inspection result normal?

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

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

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

Does air bag warning lamp turn ON?

YES >> Replace air bag diagnosis sensor unit. Refer to SR-30, "Removal and Installation".
NO >> Replace combination meter. Refer to MWI-74, "Removal and Installation" (with Type A Meter) or MWI-150, "Removal and Installation" (with Type B Meter).

SEAT BELT WARNING SYSTEM

Seat Belt Warning System Does Not Function

INFOID:0000000012786963

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. 8, located in the fuse block (J/B)].
- Check seat belt buckle switch (driver seat).
- Check harness between combination meter and seat belt buckle switch (driver seat).
- Check combination meter. Refer to MWI-26, "Fail-Safe" (with Type A Meter) or MWI-100, "Fail-Safe" (with Type A Meter).

2.SEAT BELT BUCKLE (DRIVER SEAT)

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 (driver seat).
- Check harness between combination meter and seat belt buckle switch (driver seat).

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-12, "OCCUPANT CLASSIFICATION SYSTEM : System Description".
- Check harness between occupant classification control unit and air bag diagnosis sensor unit.

4.SEAT BELT BUCKLE (PASSENGER SEAT)

Fasten the seat belt buckle (passenger seat).

Does the seat belt warning lamp go OFF?

YES >> System OK.

NO >>
- Check seat belt buckle switch (passenger seat).
- Check harness between seat belt buckle switch (passenger seat) and air bag diagnosis sensor unit.
- Replace air bag diagnosis sensor unit. Refer to SR-30, "Removal and Installation".

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

Description

INFOID:0000000012786964

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:0000000012786965

1.REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to SR-32, "Removal and Installation".
2. Perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Special Repair Requirement".

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-53, "PASSENGER SIDE : Disassembly and Assembly".
2. Perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Special Repair Requirement".

>> Inspection End.

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

Description

INFOID:0000000012786966

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:0000000012786967

1.REPLACE OCS SENSORS

1. Replace the OCS sensors. Refer to SR-32, "Removal and Installation".
2. Perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Special Repair Requirement".

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-53, "PASSENGER SIDE : Disassembly and Assembly".
2. Perform zero point reset. Refer to SRC-41, "ZERO POINT RESET : Special Repair Requirement".

>> Inspection End.