SECTION SRC
SRS AIRBAG CONTROL SYSTEM

CONTENTS

PRECAUTION

PRECAUTIONS

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

INFOID:0000000009757910

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 3 minutes before performing any service.**

Service

INFOID:0000000009757911

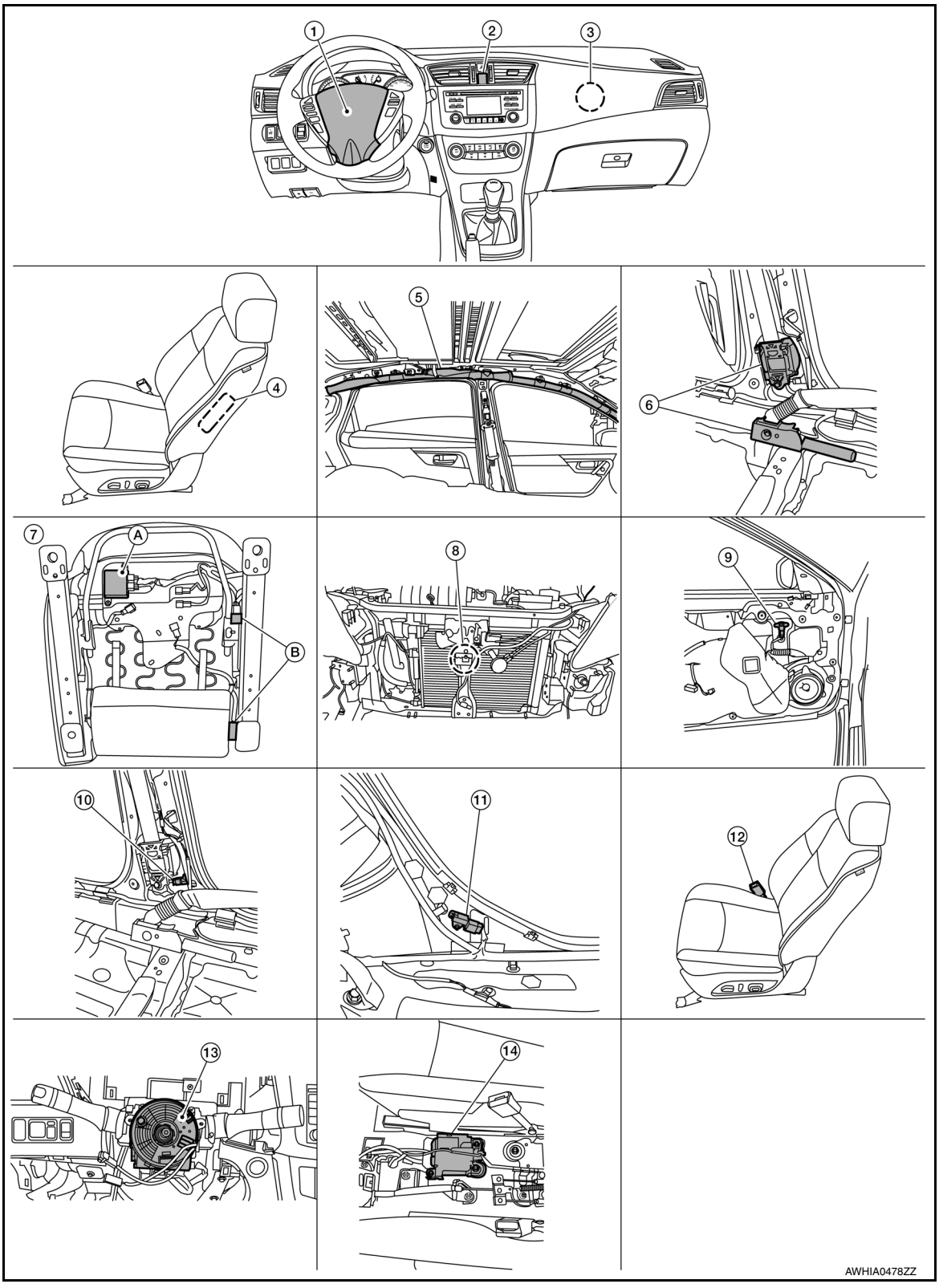
- Never use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn power switch OFF, disconnect battery negative terminal and wait 3 minutes or more.
  For approximately 3 minutes after the cables are removed, it is still possible 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:0000000009757912



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 seatbelt 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

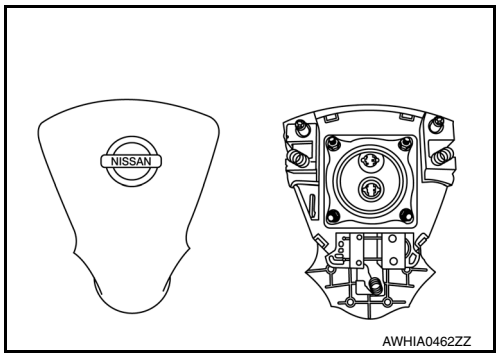
INFOID:0000000009757913

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:0000000009757914

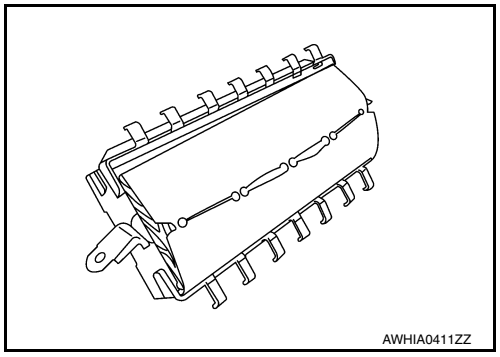
The driver air bag module is dual stage and located in the steering wheel assembly. It operates with the SRS system in a frontal collision exceeding a specified level.



Front Passenger Air Bag Module

INFOID:0000000009757915

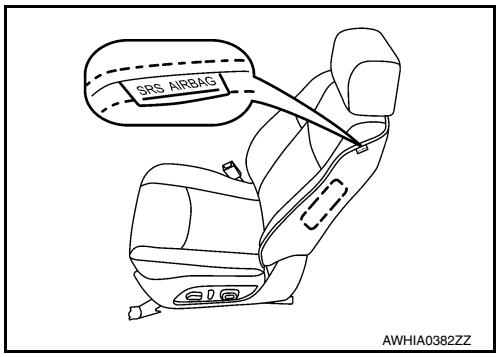
The front passenger air bag module is dual stage and is located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to SRC-11, "SRS AIR BAG SYSTEM : System Description" for more information.



Front Side Air Bag Module

INFOID:0000000009757916

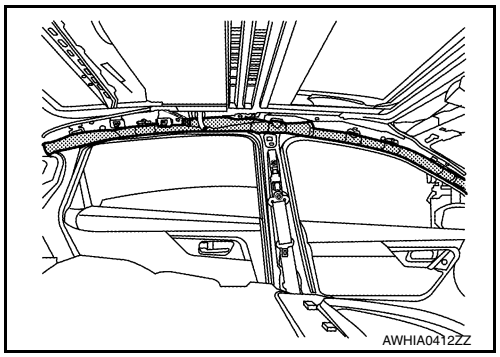
Front side air bag modules are built into the front seatback assemblies. Vehicles with side air bags are equipped with labels as shown.



Side Curtain Air Bag Module

INFOID:0000000009757917

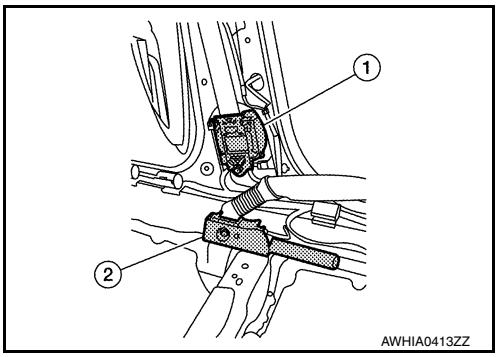
Side curtain air bag modules are located above the vehicle headlining. Vehicles with side curtain air bags are equipped with labels on the pillar upper finishers.



Front Seat Belt Pre-tensioner

INFOID:0000000009757918

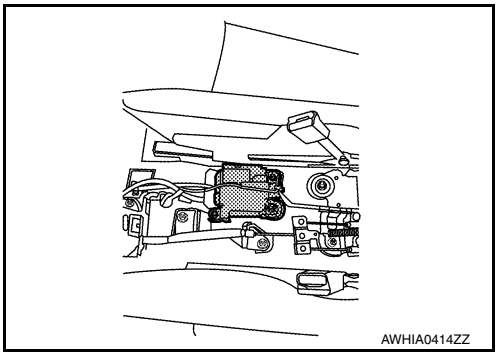
The seat belt pre-tensioner system with load limiter is installed for both the driver's seat and the front passenger's seat. It operates simultaneously with the SRS air bag system in the event of a frontal collision with an impact exceeding a specified level.
When the frontal collision with an impact 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:0000000009757919

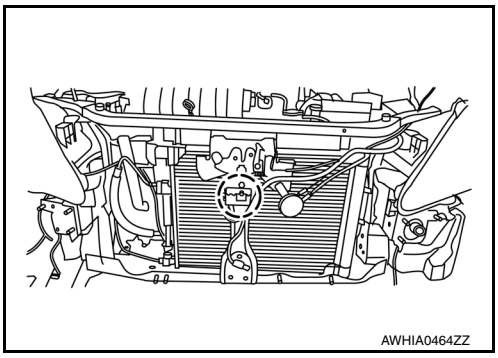
The air bag diagnosis sensor unit is located under the center console assembly. The air bag diagnosis sensor unit receives signals from multiple SRS sensors and controls the deployment of the air bags. The deployment of the air bags depends on the type and severity of the collision. The air bag diagnosis 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:0000000009757920

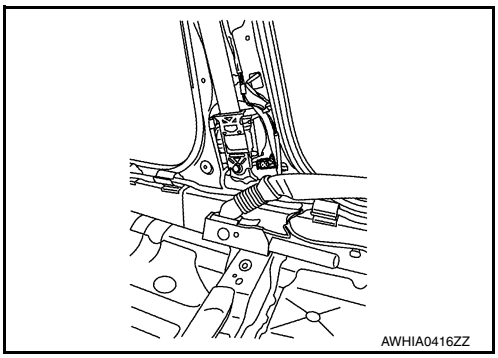
The crash zone sensor is located infront of the radiator. The crash zone sensor sends signals to the air bag diagnosis sensor unit during a frontal collision. This sensor may be identified by a yellow connector.



Front Side Air Bag Satellite Sensor

INFOID:0000000009757921

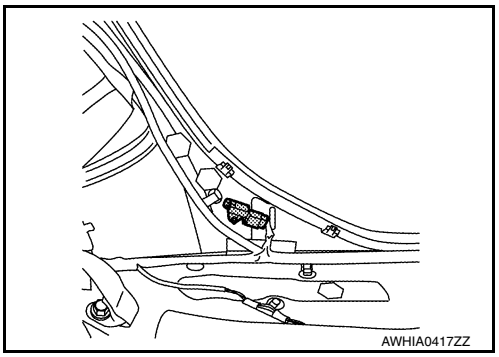
The front side air bag satellite sensors are located on the front center pillar LH and RH next to the seat belt pretensioners. The front side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



Rear Side Air Bag Satellite Sensor

INFOID:0000000009757922

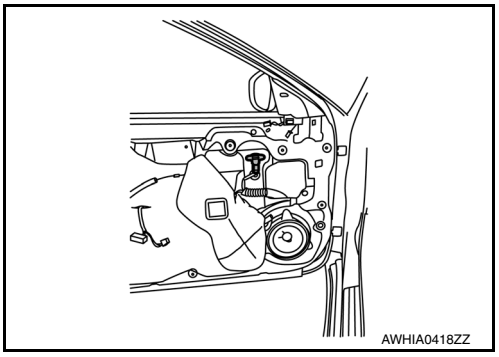
The rear side air bag satellite sensors are located behind the dash side lower finisher LH and RH. The rear side air bag satellite sensors send signals to the air bag diagnosis sensor unit during a side collision. These sensors may be identified by yellow connectors.



Front Door Satellite Sensor

INFOID:0000000009757923

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:0000000009757924

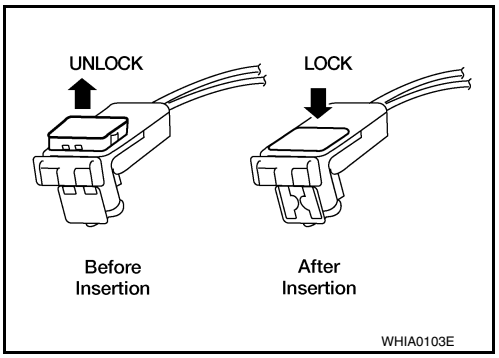
DIRECT CONNECT

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.

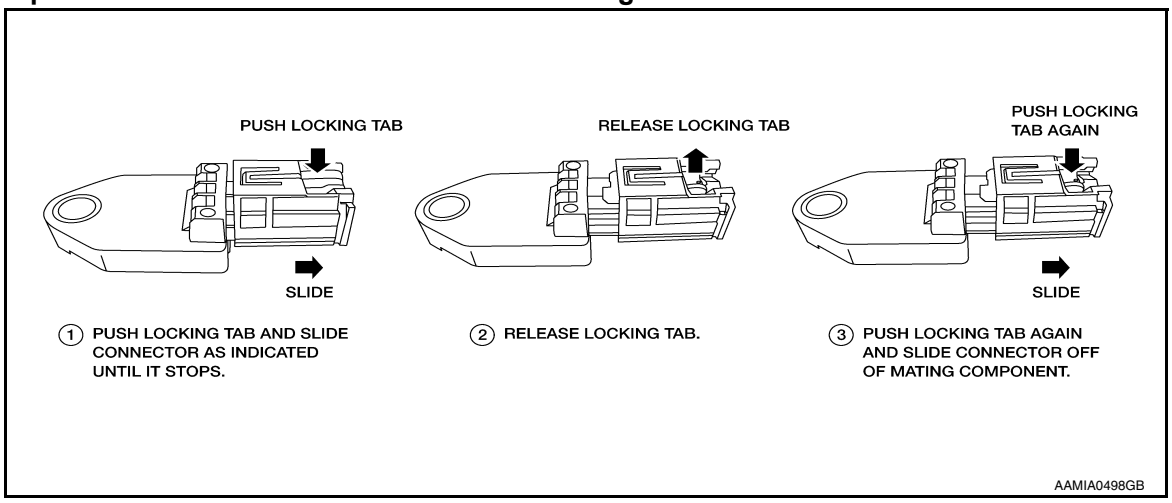


SLIDE DOUBLE LOCKING

- 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.**

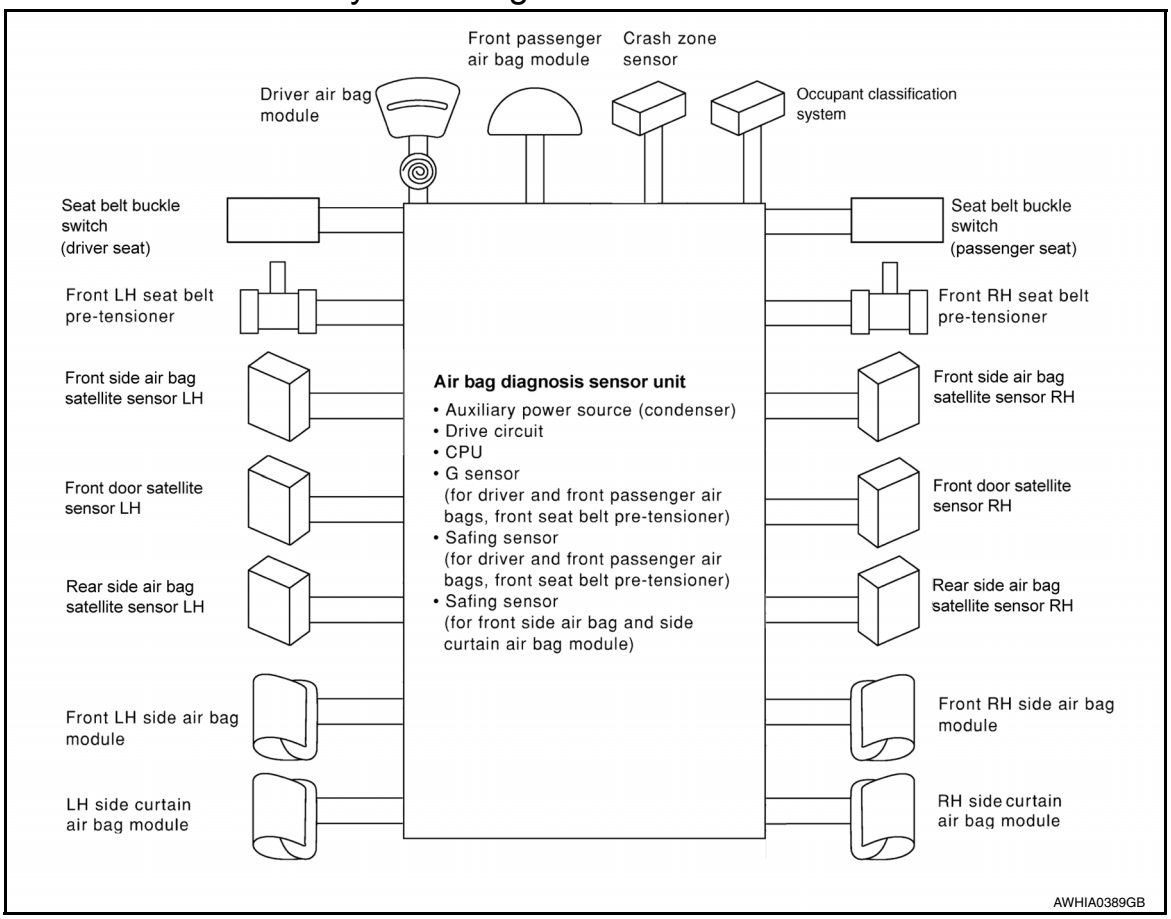


SYSTEM

SRS AIR BAG SYSTEM

SRS AIR BAG SYSTEM : System Diagram

INFOID:0000000009757925



SRS AIR BAG SYSTEM : System Description

INFOID:0000000009757926

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

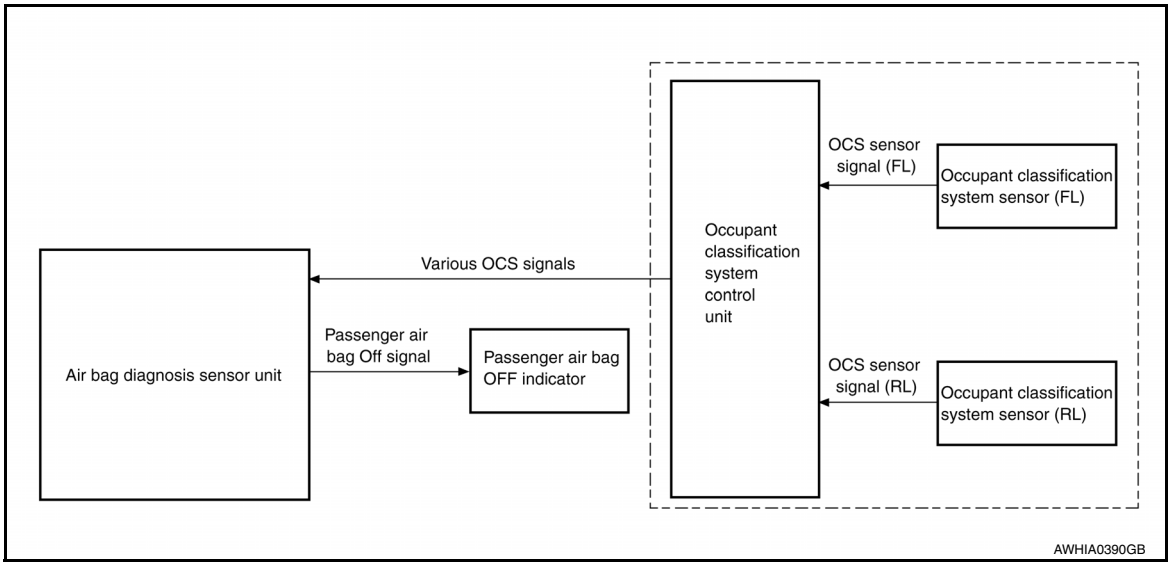
SRS Collision Modes

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

OCCUPANT CLASSIFICATION SYSTEM

OCCUPANT CLASSIFICATION SYSTEM : System Diagram

INFOID:0000000009757927



OCCUPANT CLASSIFICATION SYSTEM : System Description

INFOID:0000000009757928

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:

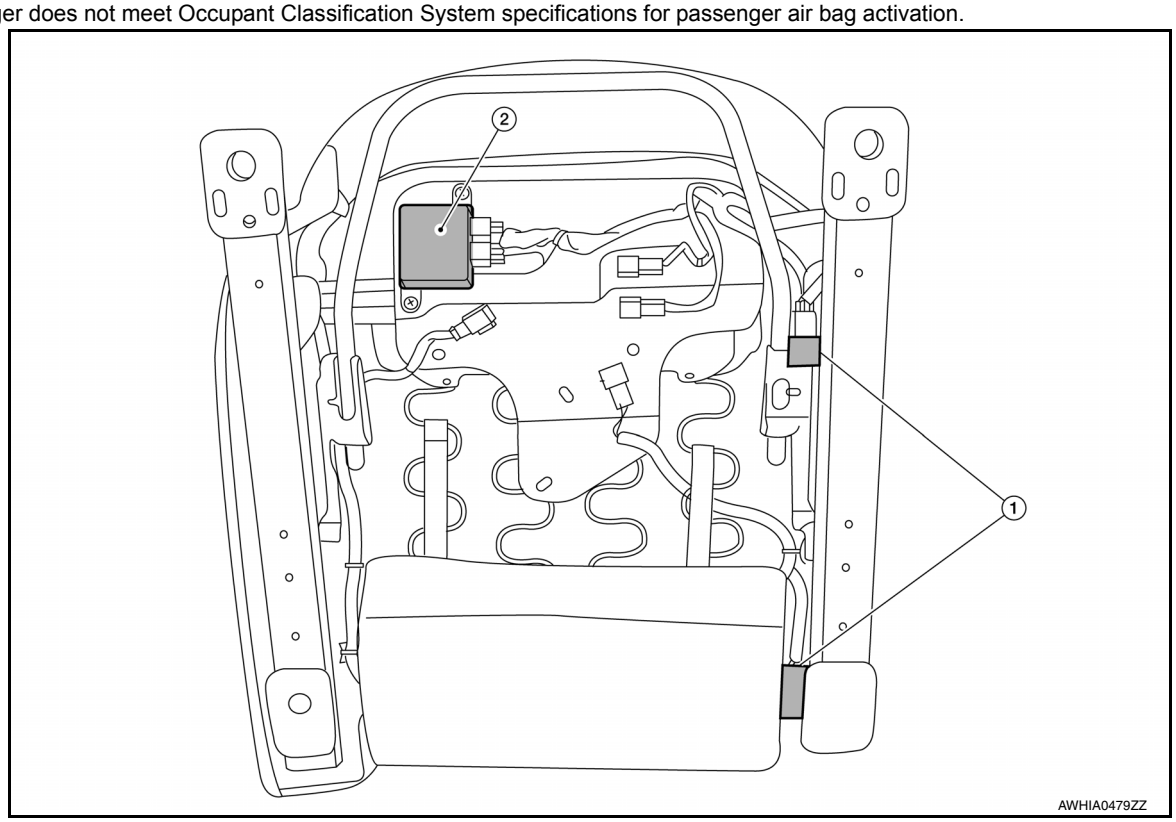
- CONSULT can be used to confirm when “zero point reset” for OCS is complete.
- Always perform zero point reset after the removal and installation of the seat or when disconnecting the OCS control unit harness connector even if zero point reset has been completed in the past.
- If zero point reset is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

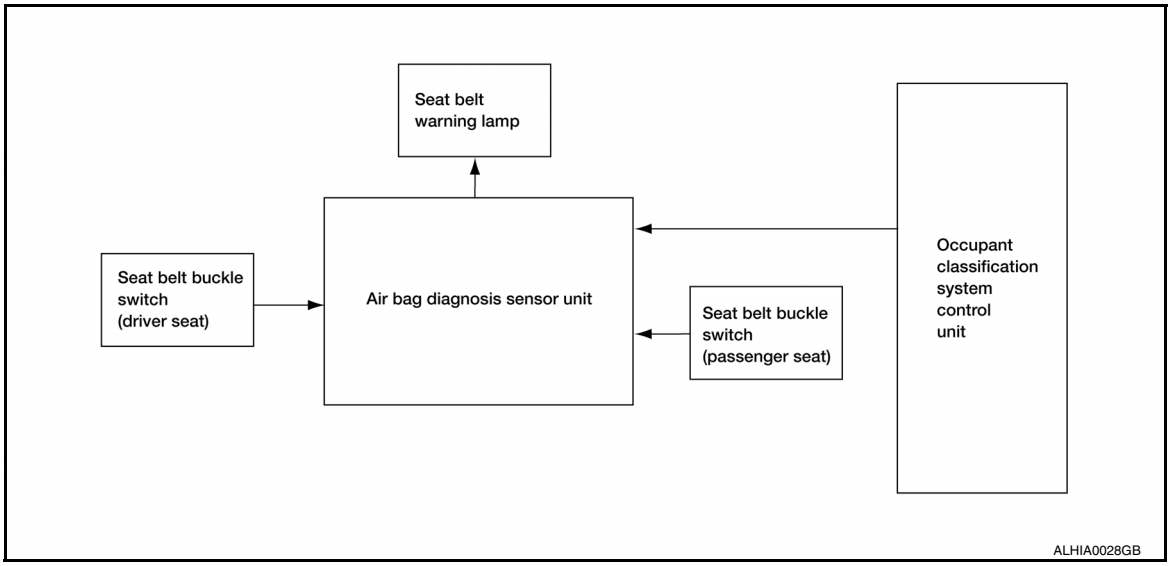
Passenger does not meet Occupant Classification System specifications for passenger air bag activation.



SEAT BELT WARNING LAMP SYSTEM

SEAT BELT WARNING LAMP SYSTEM : System Diagram

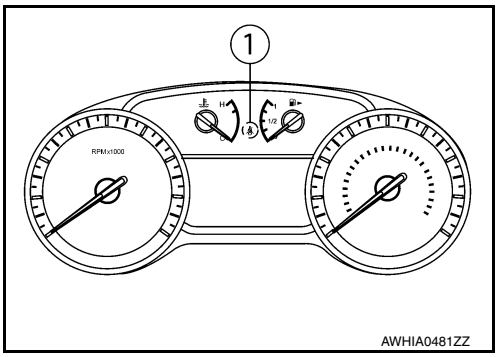
INFOID:0000000009757929



SEAT BELT WARNING LAMP SYSTEM : System Description

INFOID:0000000009757930

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:0000000009757931

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:0000000009757932

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

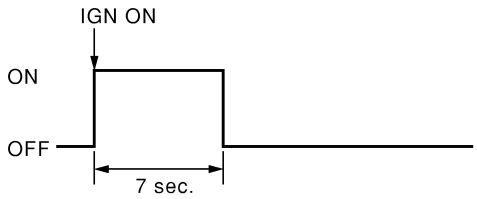
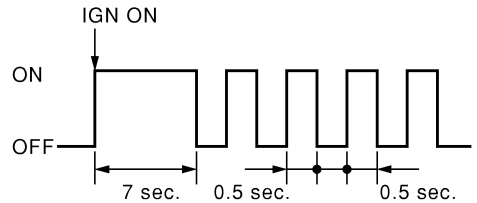
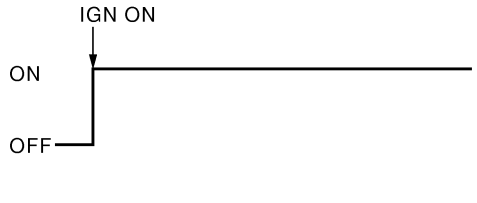
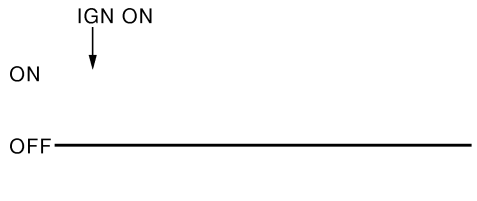
In USER MODE, air bag warning lamp on combination meter turning ON when a malfunction is detected and warns the customer (driver).

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
 SHIA0011E	• No malfunction is detected. • No further action is necessary.	—
 SHIA0012E	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".
 SHIA0013E	• Air bag is deployed. • Seat belt pre-tensioner is deployed.	Refer to SR-5, "For Frontal Collision" or SR-7, "For Side and Rollover Collision".
	• Air bag diagnosis sensor unit is malfunctioning. • Air bag power supply circuit is malfunctioning. • SRS air bag warning lamp circuit is malfunctioning.	Refer to SRC-107, "Diagnosis Procedure".
 SHIA0014E	• Air bag diagnosis sensor unit is malfunctioning. • Air bag warning lamp circuit is malfunctioning.	Refer to SRC-108, "Diagnosis Procedure".

Trouble Diagnosis with CONSULT

INFOID:0000000009757933

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:0000000009757934

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:0000000009757935

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:0000000009757936

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:0000000009757937

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:0000000009757938

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:0000000009757939

DIAGNOSTIC CODE CHART

NOTE:

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

DTC	CONSULT name	DTC detecting condition	Repair order
U1000	CAN COMMUNICATION FAILURE	CAN system communication failure.	Refer to SRC-43, "Diagnosis Procedure".
U1010	CAN COMMUNICATION FAILURE [CONTROL UNIT]	CAN system (control unit) failure.	Refer to SRC-44, "Diagnosis Procedure".
B0001	DRIVER AIRBAG MODULE CIRCUIT [OPEN]	Driver air bag module circuit (DR1) is open (including the spiral cable).	Refer to SRC-46, "Diagnosis Procedure".
	DRIVER AIRBAG MODULE CIRCUIT [VB-SHORT]	Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).	
	DRIVER AIRBAG MODULE CIRCUIT [GND-SHORT]	Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).	
	DRIVER AIRBAG MODULE CIRCUIT [SHORT]	Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).	
B0002	DRIVER AIRBAG MODULE 2ND CIRCUIT [OPEN]	Driver air bag module circuit (DR2) is open (including the spiral cable).	
	DRIVER AIRBAG MODULE 2ND CIRCUIT [VB-SHORT]	Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).	
	DRIVER AIRBAG MODULE 2ND CIRCUIT [GND-SHORT]	Driver air bag module circuit (DR2) is shorted to ground (including the spiral cable).	
	DRIVER AIRBAG MODULE 2ND CIRCUIT [SHORT]	Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).	
B0010	ASSIST AIRBAG MODULE CIRCUIT [OPEN]	Front passenger air bag module circuit (AS1) is open.	Refer to SRC-49, "Diagnosis Procedure".
	ASSIST AIRBAG MODULE CIRCUIT [VB-SHORT]	Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.	
	ASSIST AIRBAG MODULE CIRCUIT [GND-SHORT]	Front passenger air bag module circuit (AS1) is shorted to ground.	
	ASSIST AIRBAG MODULE CIRCUIT [SHORT]	Front passenger air bag module circuits (AS1) are shorted to each other.	
B0011	ASSIST AIRBAG MODULE 2ND CIRCUIT [OPEN]	Front passenger air bag module circuit (AS2) is open.	
	ASSIST AIRBAG MODULE 2ND CIRCUIT [VB-SHORT]	Front passenger air bag module circuit (AS2) is shorted to a power supply circuit.	
	ASSIST AIRBAG MODULE 2ND CIRCUIT [GND-SHORT]	Front passenger air bag module circuit (AS2) is shorted to ground.	
	ASSIST AIRBAG MODULE 2ND CIRCUIT [SHORT]	Front passenger air bag module circuits (AS2) are shorted to each other.	

DTC	CONSULT name	DTC detecting condition	Repair order
B0020	SIDE AIRBAG MODULE LH CIRCUIT [OPEN]	Front LH side air bag module circuit is open.	Refer to SRC-51, "Diagnosis Procedure".
	SIDE AIRBAG MODULE LH CIRCUIT [VB-SHORT]	Front LH side air bag module circuit is shorted to a power supply circuit.	
	SIDE AIRBAG MODULE LH CIRCUIT [GND-SHORT]	Front LH side air bag module circuit is shorted to ground.	
	SIDE AIRBAG MODULE LH CIRCUIT [SHORT]	Front LH side air bag module circuits are shorted to each other.	
B0021	CURTAIN AIRBAG MODULE LH CIRCUIT [OPEN]	LH side curtain air bag module circuit is open.	Refer to SRC-54, "Diagnosis Procedure".
	CURTAIN AIRBAG MODULE LH CIRCUIT [VB-SHORT]	LH side curtain air bag module circuit is shorted to a power supply circuit.	
	CURTAIN AIRBAG MODULE LH CIRCUIT [GND-SHORT]	LH side curtain air bag module circuit is shorted to ground.	
	CURTAIN AIRBAG MODULE LH CIRCUIT [SHORT]	LH side curtain air bag module circuits are shorted to each other.	
B0028	SIDE AIRBAG MODULE RH CIRCUIT [OPEN]	Front RH side air bag module circuit is open.	Refer to SRC-57, "Diagnosis Procedure".
	SIDE AIRBAG MODULE RH CIRCUIT [VB-SHORT]	Front RH side air bag module circuit is shorted to a power supply circuit.	
	SIDE AIRBAG MODULE RH CIRCUIT [GND-SHORT]	Front RH side air bag module circuit is shorted to ground.	
	SIDE AIRBAG MODULE RH CIRCUIT [SHORT]	Front RH side air bag module circuits are shorted to each other.	
B0029	CURTAIN AIRBAG MODULE RH CIRCUIT [OPEN]	RH side curtain air bag module circuit is open.	Refer to SRC-60, "Diagnosis Procedure".
	CURTAIN AIRBAG MODULE RH CIRCUIT [VB-SHORT]	RH side curtain air bag module circuit is shorted to a power supply circuit.	
	CURTAIN AIRBAG MODULE RH CIRCUIT [GND-SHORT]	RH side curtain air bag module circuit is shorted to ground.	
	CURTAIN AIRBAG MODULE RH CIRCUIT [SHORT]	RH side curtain air bag module circuits are shorted to each other.	
B0091	B-PILLAR SATELLITE SENSOR LH [SENSOR FAIL]	Front side air bag satellite sensor LH has malfunctioned.	Refer to SRC-64, "Diagnosis Procedure".
	B-PILLAR SATELLITE SENSOR LH [COMM FAIL]	Front side air bag satellite sensor LH communication error.	
	B-PILLAR SATELLITE SENSOR LH [DISCONNECT]	Front side air bag satellite sensor LH is disconnected.	
	B-PILLAR SATELLITE SENSOR LH [UNMATCH]	Front side air bag satellite sensor LH is out of specification.	
	B-PILLAR SATELLITE SENSOR LH [GND-SHORT]	Front side air bag satellite sensor LH circuit is shorted to ground.	
B0092	C-PILLAR SATELLITE SENSOR LH [SENSOR FAIL]	Rear side air bag satellite sensor LH has malfunctioned.	Refer to SRC-67, "Diagnosis Procedure".
	C-PILLAR SATELLITE SENSOR LH [COMM FAIL]	Rear side air bag satellite sensor LH communication error.	
	C-PILLAR SATELLITE SENSOR LH [DISCONNECT]	Rear side air bag satellite sensor LH is disconnected.	
	C-PILLAR SATELLITE SENSOR LH [UNMATCH]	Rear side air bag satellite sensor LH is out of specification.	
	C-PILLAR SATELLITE SENSOR LH [GND-SHORT]	Rear side air bag satellite sensor LH circuit is shorted to ground.	

DTC	CONSULT name	DTC detecting condition	Repair order
B0093	DOOR SATELLITE SENSOR LH [SENSOR FAIL]	Front door satellite sensor LH has malfunctioned.	Refer to SRC-70, "Diagnosis Procedure".
	DOOR SATELLITE SENSOR LH [COMM FAIL]	Front door satellite sensor LH communication error.	
	DOOR SATELLITE SENSOR LH [DISCONNECT]	Front door satellite sensor LH is disconnected.	
	DOOR SATELLITE SENSOR LH [UNMATCH]	Front door satellite sensor LH is out of specification.	
	DOOR SATELLITE SENSOR LH [GND-SHORT]	Front door satellite sensor LH circuit is shorted to ground.	
B0094	CRASH ZONE SENSOR [SENSOR FAIL]	Crash zone sensor has malfunctioned.	Refer to SRC-73, "Diagnosis Procedure".
	CRASH ZONE SENSOR [COMM FAIL]	Crash zone sensor communication error.	
	CRASH ZONE SENSOR [DISCONNECT]	Crash zone sensor is disconnected.	
	CRASH ZONE SENSOR [UNMATCH]	Crash zone sensor is out of specification.	
	CRASH ZONE SENSOR [GND-SHORT]	Crash zone sensor circuit is shorted to ground.	
B0096	B-PILLAR SATELLITE SENSOR RH [SENSOR FAIL]	Front side air bag satellite sensor RH has malfunctioned.	Refer to SRC-76, "Diagnosis Procedure".
	B-PILLAR SATELLITE SENSOR RH [COMM FAIL]	Front side air bag satellite sensor RH communication error.	
	B-PILLAR SATELLITE SENSOR RH [DISCONNECT]	Front side air bag satellite sensor RH is disconnected.	
	B-PILLAR SATELLITE SENSOR RH [UNMATCH]	Front side air bag satellite sensor RH is out of specification.	
	B-PILLAR SATELLITE SENSOR RH [GND-SHORT]	Front side air bag satellite sensor RH circuit is shorted to ground.	
B0097	C-PILLAR SATELLITE SENSOR RH [SENSOR FAIL]	Rear side air bag satellite sensor RH has malfunctioned.	Refer to SRC-79, "Diagnosis Procedure".
	C-PILLAR SATELLITE SENSOR RH [COMM FAIL]	Rear side air bag satellite sensor RH communication error.	
	C-PILLAR SATELLITE SENSOR RH [DISCONNECT]	Rear side air bag satellite sensor RH is disconnected.	
	C-PILLAR SATELLITE SENSOR RH [UNMATCH]	Rear side air bag satellite sensor RH is out of specification.	
	C-PILLAR SATELLITE SENSOR RH [GND-SHORT]	Rear side air bag satellite sensor RH circuit is shorted to ground.	
B0098	DOOR SATELLITE SENSOR RH [SENSOR FAIL]	Front door satellite sensor RH has malfunctioned.	Refer to SRC-82, "Diagnosis Procedure".
	DOOR SATELLITE SENSOR RH [COMM FAIL]	Front door satellite sensor RH communication error.	
	DOOR SATELLITE SENSOR RH [DISCONNECT]	Front door satellite sensor RH is disconnected.	
	DOOR SATELLITE SENSOR RH [UNMATCH]	Front door satellite sensor RH is out of specification.	
	DOOR SATELLITE SENSOR RH [GND-SHORT]	Front door satellite sensor RH circuit is shorted to ground.	

DTC	CONSULT name	DTC detecting condition	Repair order
B1421	FRONTAL COLLISION DETECTION	Frontal collision detected. Driver and/or front passenger air bag modules are deployed.	Refer to SRC-98, "DTC Logic".
B1422	SIDE COLLISION DETECTION	Side collision detected. Curtain air bag module and seat belt pre-tensioner are deployed.	
B1425	REAR COLLISION DETECTION	Rear collision has been detected.	
B1426	AIRBAG DISPOSAL COMPLETION	Collision has been detected. Air bag diagnosis sensor unit has not yet been replaced following repairs.	
B1428	SEAT BELT BUCKLE SW LH CIRCUIT [OPEN]	LH seat belt buckle switch circuit is open.	Refer to SRC-84, "Diagnosis Procedure".
	SEAT BELT BUCKLE SW LH CIRCUIT [VB-SHORT]	LH seat belt buckle switch circuit is shorted to a power supply circuit.	
	SEAT BELT BUCKLE SW LH CIRCUIT [GND-SHORT]	LH seat belt buckle switch circuit is shorted to ground.	
	SEAT BELT BUCKLE SW LH CIRCUIT [UNDEFINED]	LH seat belt buckle switch circuit malfunction.	
B1429	SEAT BELT BUCKLE SW RH CIRCUIT [OPEN]	RH seat belt buckle switch circuit is open.	Refer to SRC-87, "Diagnosis Procedure".
	SEAT BELT BUCKLE SW RH CIRCUIT [VB-SHORT]	RH seat belt buckle switch circuit is shorted to a power supply circuit.	
	SEAT BELT BUCKLE SW RH CIRCUIT [GND-SHORT]	RH seat belt buckle switch circuit is shorted to ground.	
	SEAT BELT BUCKLE SW RH CIRCUIT [UNDEFINED]	RH seat belt buckle switch circuit malfunction.	
B1430	FRONT PRE-TEN LH CIRCUIT [OPEN]	LH seat belt pre-tensioner circuit is open. (shoulder belt)	Refer to SRC-91, "Diagnosis Procedure".
	FRONT PRE-TEN LH CIRCUIT [VB-SHORT]	LH seat belt pre-tensioner circuit is shorted to a power supply circuit. (shoulder belt)	
	FRONT PRE-TEN LH CIRCUIT [GND-SHORT]	LH seat belt pre-tensioner circuit is shorted to ground. (shoulder belt)	
	FRONT PRE-TEN LH CIRCUIT [SHORT]	LH seat belt pre-tensioner circuits are shorted to each other. (shoulder belt)	
B1431	FRONT PRE-TEN RH CIRCUIT [OPEN]	RH seat belt pre-tensioner circuit is open. (shoulder belt)	Refer to SRC-94, "Diagnosis Procedure".
	FRONT PRE-TEN RH CIRCUIT [VB-SHORT]	RH seat belt pre-tensioner circuit is shorted to a power supply circuit. (shoulder belt)	
	FRONT PRE-TEN RH CIRCUIT [GND-SHORT]	RH seat belt pre-tensioner circuit is shorted to ground. (shoulder belt)	
	FRONT PRE-TEN RH CIRCUIT [SHORT]	RH seat belt pre-tensioner circuits are shorted to each other. (shoulder belt)	
B1432	FRONT PRE-TEN2 LH CIRCUIT [OPEN]	LH seat belt pre-tensioner circuit is open. (lap belt)	Refer to SRC-91, "Diagnosis Procedure".
	FRONT PRE-TEN2 LH CIRCUIT [VB-SHORT]	LH seat belt pre-tensioner circuit is shorted to a power supply circuit. (lap belt)	
	FRONT PRE-TEN2 LH CIRCUIT [GND-SHORT]	LH seat belt pre-tensioner circuit is shorted to ground. (lap belt)	
	FRONT PRE-TEN2 LH CIRCUIT [SHORT]	LH seat belt pre-tensioner circuits are shorted to each other. (lap belt)	

DTC	CONSULT name	DTC detecting condition	Repair order
B1433	FRONT PRE-TEN2 RH CIRCUIT [OPEN]	RH seat belt pre-tensioner circuit is open. (lap belt)	Refer to SRC-94, "Diagnosis Procedure".
	FRONT PRE-TEN2 RH CIRCUIT [VB-SHORT]	RH seat belt pre-tensioner circuit is shorted to a power supply circuit. (lap belt)	
	FRONT PRE-TEN2 RH CIRCUIT [GND-SHORT]	RH seat belt pre-tensioner circuit is shorted to ground. (lap belt)	
	FRONT PRE-TEN2 RH CIRCUIT [SHORT]	RH seat belt pre-tensioner circuits are shorted to each other. (lap belt)	
B142A	IGN VOLTAGE [LOW]	Ignition voltage to the air bag diagnosis sensor unit is low.	Refer to SRC-96, "Diagnosis Procedure".
	IGN VOLTAGE [HIGH]	Ignition voltage to the air bag diagnosis sensor unit is high.	
B14XX	CONTROL UNIT [UNIT FAIL]	Air bag diagnosis sensor unit is malfunctioning.	Refer to SRC-99, "Diagnosis Procedure".
B00A0	OCCUPANT DETECTION SENSOR UNIT [UNIT FAIL]	The OCS control unit is malfunctioning.	Refer to SRC-102, "Diagnosis Procedure".
	OCCUPANT DETECTION SENSOR UNIT [NO DATA]		
	OCCUPANT DETECTION SENSOR UNIT [UNDEFINED]		
	OCCUPANT DETECTION SENSOR UNIT [RESET FAIL]		
	OCCUPANT DETECTION SENSOR UNIT [COMM FAIL]	Communication between the OCS control unit and the air bag diagnosis sensor unit is interrupted.	
	OCCUPANT DETECTION SENSOR [UNIT FAIL]	The OCS sensor is malfunctioning.	
	OCCUPANT DETECTION SENSOR [POWER FAIL]	The OCS sensor circuit is malfunctioning.	
B00D5	PASSENGER AIRBAG INDICATOR CIRCUIT [FAIL]	Front passenger air bag OFF indicator is malfunctioning.	Refer to SRC-105, "Diagnosis Procedure".
	PASSENGER AIRBAG INDICATOR CIRCUIT [OPEN]	Front passenger air bag OFF indicator circuit is open.	
	PASSENGER AIRBAG INDICATOR CIRCUIT [VB-SHORT]	Front passenger air bag OFF indicator is shorted to a power supply circuit.	
	PASSENGER AIRBAG INDICATOR CIRCUIT [GND-SHORT]	Front passenger air bag OFF indicator is shorted to ground.	

Flash Code Index

INFOID:0000000009757940

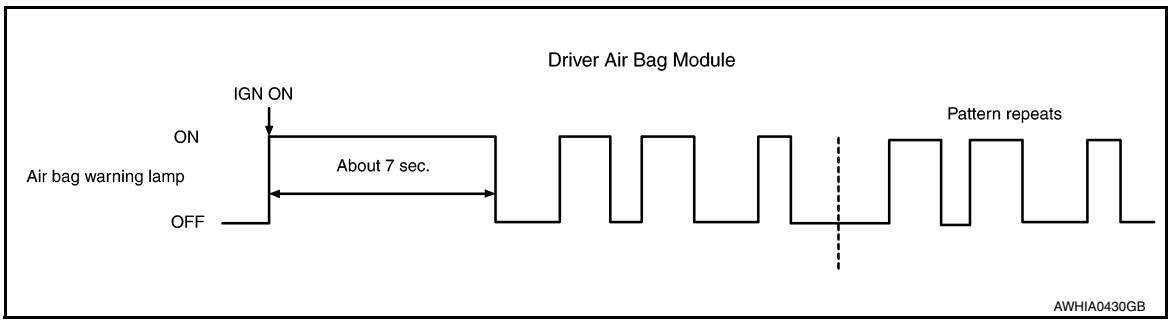
WARNING LAMP FLASH CODE CHART

How to read flash codes

1. Put the vehicle in Diagnosis Mode. Refer to SRC-17, "Trouble Diagnosis without CONSULT".
2. All codes are proceded by a seven second ”holding” flash.
3. Identify how many primary flashes are displayed as well as the length of each primary flash.
4. Refer to the tables and examples below to determine which SRS subsystem the code belongs to.
5. Count the short secondary flashes that follow the primary flashes.
6. Match the correct flashing pattern to the malfunctioning component and perform the Diagnosis Procedure.

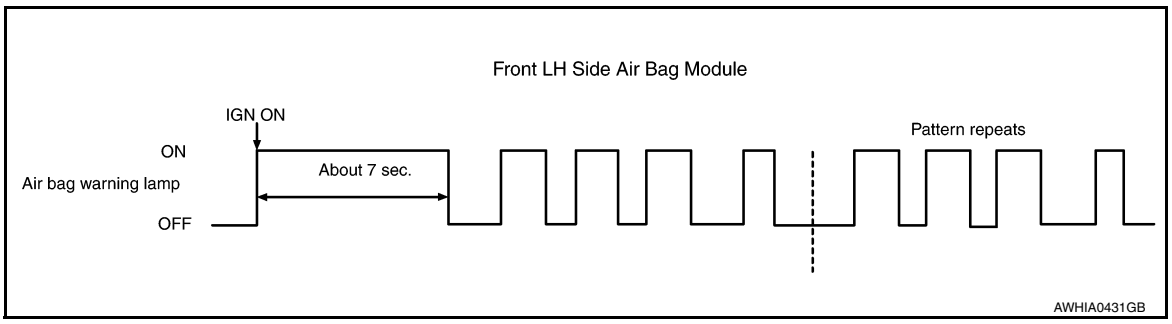
Refer to the illustrations below for an example of each flashing pattern.

Front subsystem



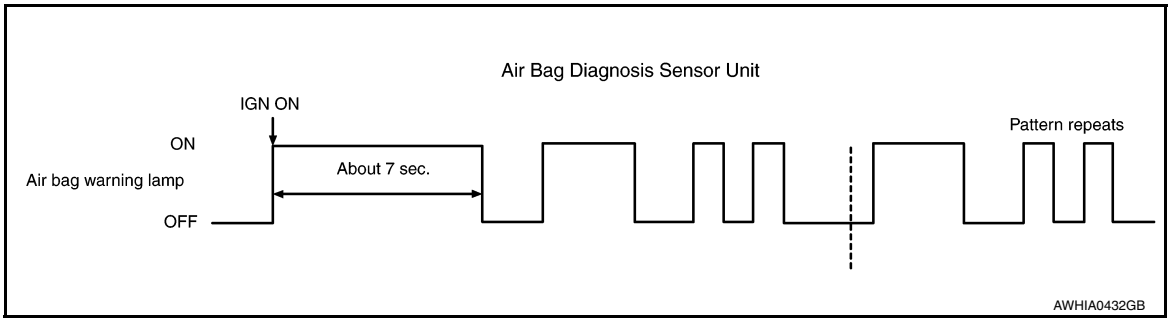
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	1.5	1	Driver air bag module	SRC-46, "Diagnosis Procedure"
		2	Passenger air bag module	SRC-49, "Diagnosis Procedure"
		3	Front LH seat belt pre-tensioner (shoulder)	SRC-91, "Diagnosis Procedure"
		4	Front RH seat belt pre-tensioner (shoulder)	SRC-94, "Diagnosis Procedure"
		5	Front LH seat belt pre-tensioner (lap)	SRC-91, "Diagnosis Procedure"
		6	Front RH seat belt pre-tensioner (lap)	SRC-94, "Diagnosis Procedure"

Side subsystem



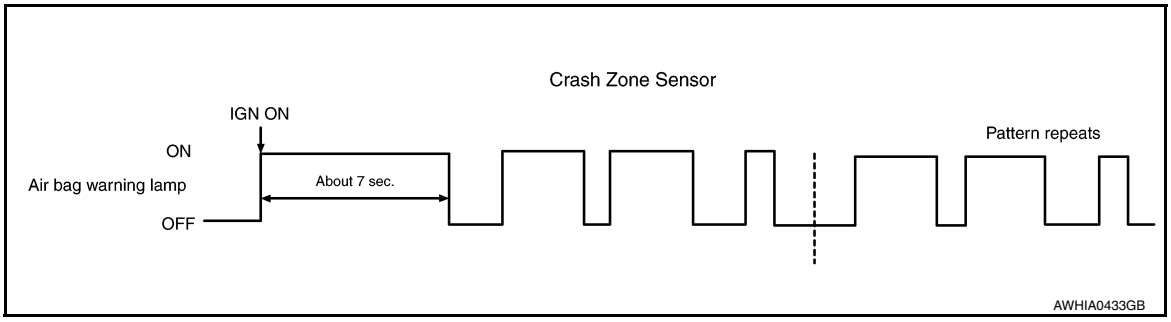
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
3	1.5	1	Front LH side air bag module	SRC-51, "Diagnosis Procedure"
		2	Front RH side air bag module	SRC-57, "Diagnosis Procedure"
		3	LH side curtain air bag module	SRC-54, "Diagnosis Procedure"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

Air bag subsystem



Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
1	3	1	Collision detection	SRC-98, "Diagnosis Procedure"
		2	Air bag diagnosis sensor unit	SRC-99, "Diagnosis Procedure"
		3	Passenger air bag OFF indicator	SRC-105, "Diagnosis Procedure"
		4	Occupant classification system	SRC-102, "Diagnosis Procedure"

Sensor subsystem



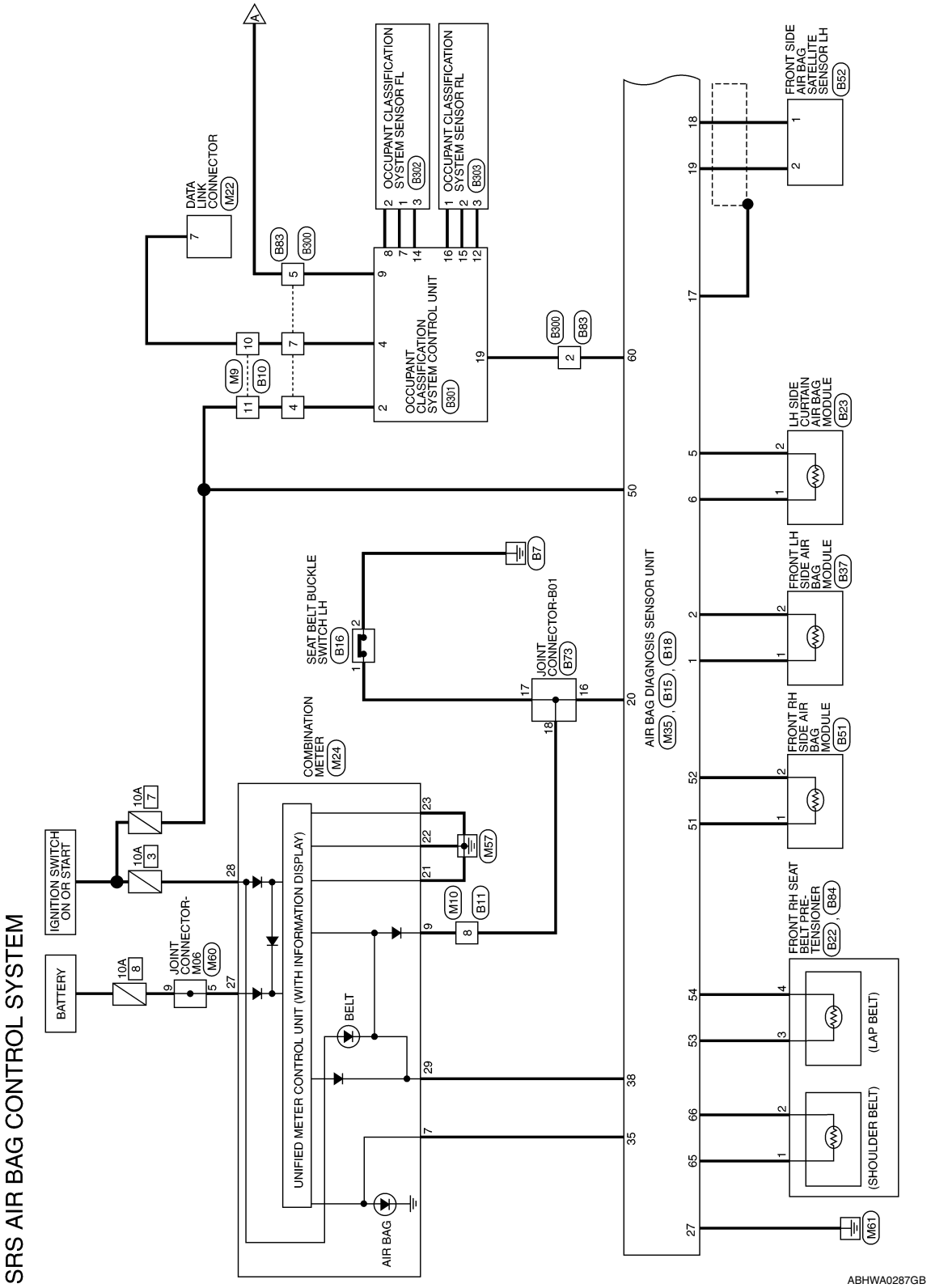
Flashes (Primary)	Flash Length (seconds)	Flashes (Secondary)	Malfunctioning Component or Circuit	Reference
2	3	1	Crash zone sensor	SRC-73, "Diagnosis Procedure"
		2	Front side air bag satellite sensor LH	SRC-64, "Diagnosis Procedure"
		3	Front side air bag satellite sensor RH	SRC-76, "Diagnosis Procedure"
		4	Rear side air bag satellite sensor LH	SRC-67, "Diagnosis Procedure"
		5	Rear side air bag satellite sensor RH	SRC-79, "Diagnosis Procedure"
		6	Front door satellite sensor LH	SRC-70, "Diagnosis Procedure"
		7	Front door satellite sensor RH	SRC-82, "Diagnosis Procedure"
		8	Seat belt buckle switch LH	SRC-84, "Diagnosis Procedure"
		9	Seat belt buckle switch RH	SRC-87, "Diagnosis Procedure"

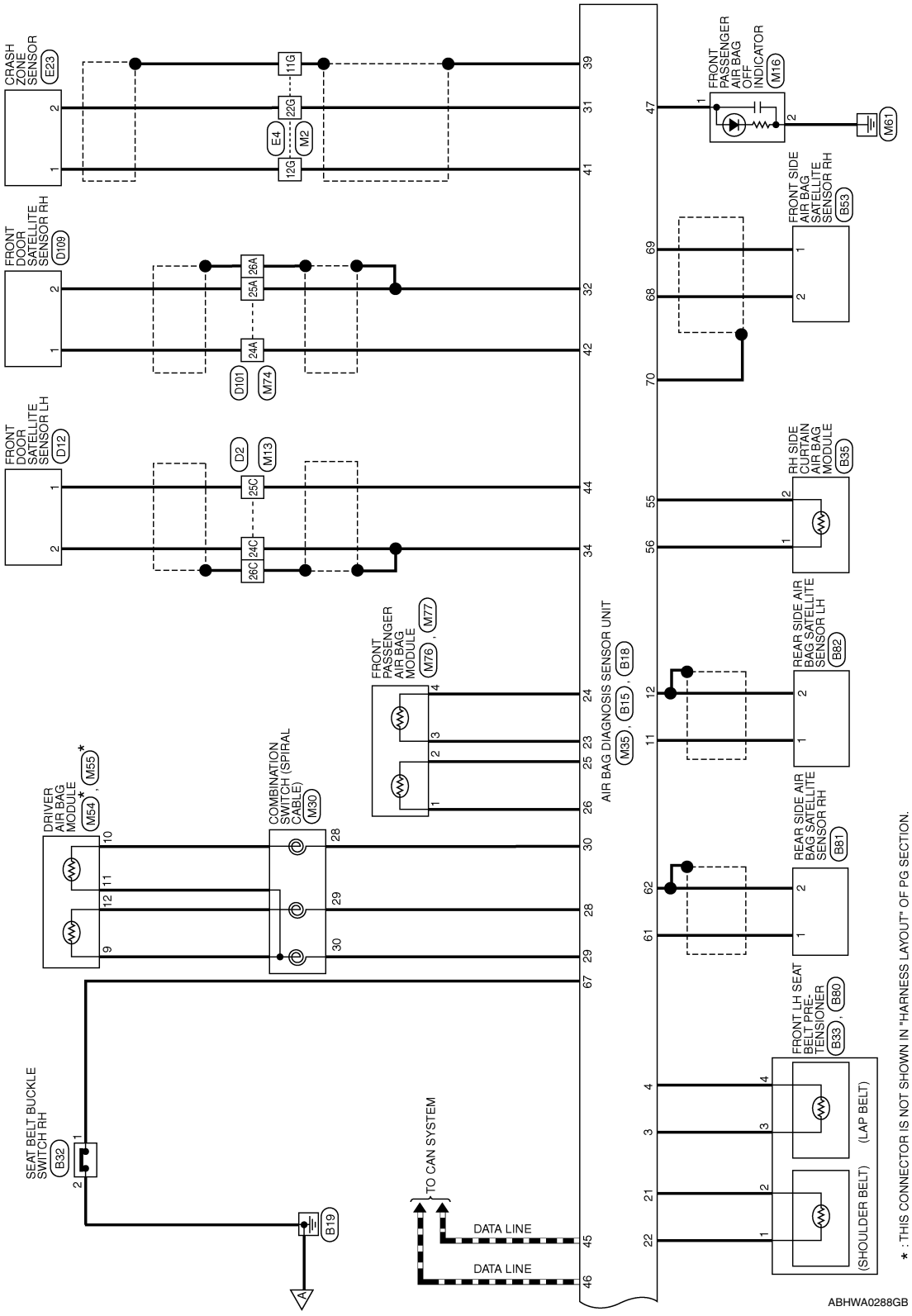
WIRING DIAGRAM

SRS AIR BAG SYSTEM

Wiring Diagram

INFOID:0000000009757941




CRASH ZONE SENSOR E23
FRONT DOOR SATELLITE SENSOR RH D109
FRONT DOOR SATELLITE SENSOR LH D12
DRIVER AIR BAG MODULE * M54 , M55 *
COMBINATION SWITCH (SPIRAL CABLE) M30
FRONT PASSENGER AIR BAG MODULE M76 , M77
AIR BAG DIAGNOSIS SENSOR UNIT M35 , B15 , B18
SEAT BELT BUCKLE SWITCH RH B32
FRONT PASSENGER AIR BAG OFF INDICATOR M16
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
(LAP BELT)
(SHOULDER BELT)
TO CAN SYSTEM
DATA LINE
DATA LINE
* : THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.
ABHWA0288GB

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				
27C	28C	29C	30C	31C	32C	33C	34C	35C						

36C	37C	38C	39C	40C	41C	42C	43C	44C	45C	46C
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.	M16
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Color	BROWN

H.S.

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

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

H.S.

Terminal No.	Color of Wire	Signal Name
7	W	–

Connector No.	M24
Connector Name	COMBINATION METER
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
7	SB	AIRBAG WARN
9	L	DR BUCKLE SW
21	B	GND (ILL)
22	B	GND 2 (POWER)
23	B	GND 3 (CIRCUIT)
27	LG	BAT
28	GR	IGN
29	V	AS BELT

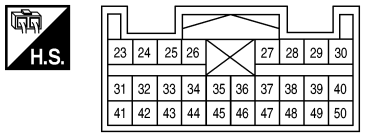
Connector No.	M30
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	YELLOW

H.S.

Terminal No.	Color of Wire	Signal Name
28	Y	–
29	Y/V	–
30	Y/G	–

ABHIA0850GB

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



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

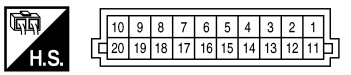
Connector No.	M54
Connector Name	DRIVER AIR BAG MODULE
Connector Color	YELLOW

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

Connector No.	M55
Connector Name	DRIVER AIR BAG MODULE
Connector Color	ORANGE

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

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

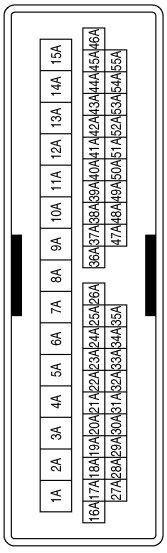


Terminal No.	Color of Wire	Signal Name
5	LG	–
9	W	–

AAHIA0104GB

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	–

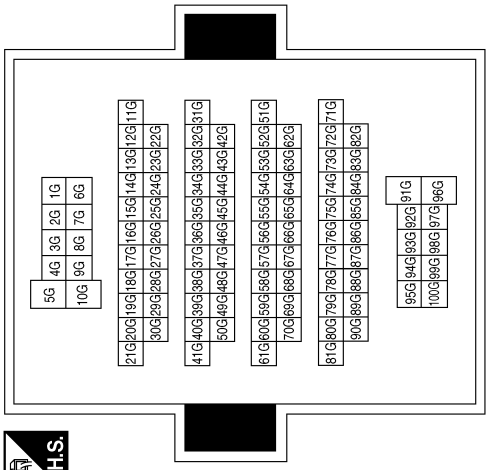
Connector No.	M76
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Color	BLACK

H.S.

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

Connector No.	E4
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
11G	SHIELD	–
12G	B	–
22G	W	–

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

H.S.

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

ABHIA0851GB

Connector No.	E23
Connector Name	CRASH ZONE SENSOR
Connector Color	YELLOW

H.S.

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

Connector No.	B10
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
10	GR	–
11	P	–

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
8	LG	–

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

H.S.

Terminal No.	Color of Wire	Signal Name
1	Y/G	LH SQUIB #1 (+)
2	Y	LH SQUIB #1 (-)
3	Y/L	LH SQUIB #2 (+)
4	Y/GR	LH SQUIB #2 (-)
5	Y	LH SQUIB #3 (-)
6	BR	LH SQUIB #3 (+)

Terminal No.	Color of Wire	Signal Name
7	–	–
8	–	–
9	–	–
10	–	–
11	W	LH C-SAT (+)
12	B	LH C-SAT (-)
13	–	–
14	–	–
15	–	–
16	–	–
17	B	GND
18	P	LH B-SAT (+)
19	L	LH B-SAT (-)
20	V	LH BUCKLE SW (+)
21	Y/B	P-LH1 (-)
22	Y/R	P-LH1 (+)

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

H.S.

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

ABHIA0852GB

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

H.S.

Terminal No.	Color of Wire	Signal Name
51	Y/R	RH SQUIB #1 (+)
52	Y/B	RH SQUIB #1 (-)
53	Y/L	RH SQUIB #2 (+)
54	Y/GR	RH SQUIB #2 (-)
55	BR	RH SQUIB #3 (-)
56	Y	RH SQUIB #3 (+)

Terminal No.	Color of Wire	Signal Name
57	–	–
58	–	–
59	–	–
60	R	ODS INPUT
61	V	RH C-SAT (+)
62	LG	RH C-SAT (-)
63	–	–
64	–	–
65	Y/G	P-RH1 (+)
66	Y	P-RH1 (-)
67	LG	RH BUCKLE SW (+)
68	R	RH B-SAT (-)
69	G	RH B-SAT (+)
70	B	GND
71	–	–
72	–	–

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

H.S.

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

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

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
Connector Color	YELLOW

H.S.

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

ABHIA0853GB

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

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	Y/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	Y/R	–
2	Y/B	–

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.	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.	B73
Connector Name	JOINT CONNECTOR-B01
Connector Color	BLACK

H.S.

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

ABHIA0854GB

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

H.S.

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

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.	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.	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	–

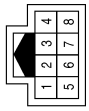
Connector No.	B84
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Color	ORANGE

H.S.

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

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	–

ABHIA0855GB

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

H.S.

10	9	8	7	6	5	4	3	2	1
20	19	18	17	16	15	14	13	12	11

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

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

H.S.

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

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.	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.	B302
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR FL
Connector Color	BLACK

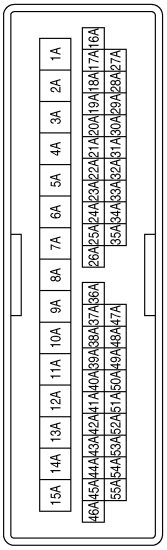
H.S.

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

ABHIA0856GB

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	–

ABHIA0857GB

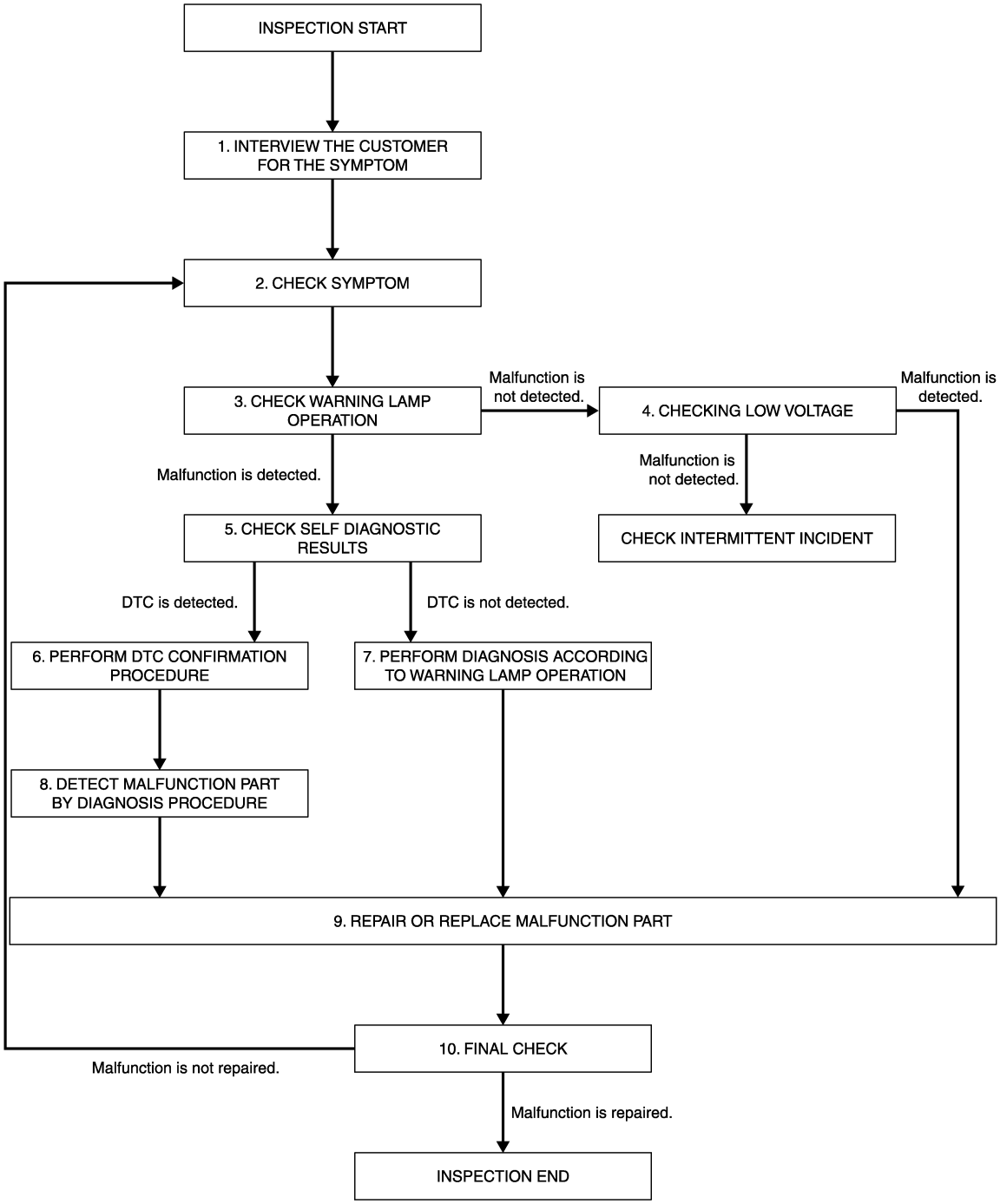
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000009757942

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-39, "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:0000000009757943

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:0000000009757944

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:0000000009757945

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:0000000009757946

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:0000000009757947

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:0000000009757948

CHECK SRS REPAIR HISTORY

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

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

Description

INFOID:0000000009757949

CAN (Controller Area Network) is a serial communication system for real time application. It is an on-vehicle multiplex communication system with high data communication speed and excellent error detection ability. Many electronic control units are equipped into vehicles, and each control unit shares information and links with other control units during operation. With CAN communication, control units are connected with two communication lines (CAN-H line, CAN-L line) allowing a high rate of information transmission with less wiring. Each control unit transmits and receives data but selectively reads required data only. Refer to LAN-30, "CAN COMMUNICATION SYSTEM : CAN Communication Signal Chart".

DTC Logic

INFOID:0000000009757950

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
CAN COMMUNICATION FAILURE	U1000	When air bag diagnosis sensor unit is not transmitting or receiving CAN communication signals for 2 or more seconds.	Refer to SRC-43, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE

1. PERFORM SELF-DIAGNOSIS

1. Turn ignition switch ON and wait for 7 seconds or more.
2. Using CONSULT, perform SELF-DIAGNOSIS RESULTS of AIR BAG.
3. Check if any DTC is displayed in the self-diagnosis results.

Is DTC detected?

YES >> Refer to SRC-43, "Diagnosis Procedure".
NO >> Refer to GI-39, "Intermittent Incident".

Diagnosis Procedure

INFOID:0000000009757951

1. CHECK CAN COMMUNICATION SYSTEM

Check CAN communication system. Refer to LAN-16, "Trouble Diagnosis Flow Chart".

>> Inspection End.

U1010 CONTROL UNIT (CAN)

Description

INFOID:0000000009757952

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

DTC Logic

INFOID:0000000009757953

DTC DETECTION LOGIC

CONSULT name	DTC	DTC detecting condition	Repair order
CAN CONTROL UNIT FAILURE	U1010	CAN communication error is detected in control unit.	Refer to SRC-44, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE

1.PERFORM SELF-DIAGNOSIS

1. Turn ignition switch ON.
2. Using CONSULT, perform SELF DIAGNOSIS RESULTS of AIR BAG.
3. Check if DTC is displayed in the self-diagnosis results.

Is DTC detected?

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

Diagnosis Procedure

INFOID:0000000009757954

1.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to SR-28, "Removal and Installation".

>> Inspection End.

B0001, B0002 DRIVER AIRBAG MODULE

Description

INFOID:0000000009757955

DTC B0001, B0002 DRIVER AIRBAG MODULE

The driver air bag module is dual stage and is 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

INFOID:0000000009757956

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
DRIVER AIRBAG MODULE CIRCUIT [OPEN]	B0001	Driver air bag module circuit (DR1) is open (including the spiral cable).	Refer to SRC-46, "Diagnosis Procedure".
DRIVER AIRBAG MODULE CIRCUIT [VB-SHORT]		Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE CIRCUIT [GND-SHORT]		Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE CIRCUIT [SHORT]		Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [OPEN]	B0002	Driver air bag module circuit (DR2) is open (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [VB-SHORT]		Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [GND-SHORT]		Driver air bag module circuit (DR2) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE 2ND CIRCUIT [SHORT]		Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).	

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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000009757957

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-39, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

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

Is the inspection result normal?

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

4.CHECK SPIRAL CABLE CIRCUIT

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

Driver air bag module		Spiral cable		Continuity
Connector	Terminal	Connector	Terminal	
M54	10	M30	28	Yes
	11		30	
M55	12		29	Yes
	9		30	

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

Driver air bag module		Ground	Continuity
Connector	Terminal		
M54	10	Ground	No
	11		
M55	12		
	9		

Is the inspection result normal?

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

5. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 6.
NO >> Refer to GI-39, "Intermittent Incident".

6. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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 7.
NO >> Clear DTC. Inspection End.

7. DRIVER AIR BAG MODULE

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

Is DTC still current?

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

8. RELATED HARNESS

Replace the related harness.

>> **END**

B0010, B0011 PASSENGER AIRBAG MODULE

Description

INFOID:0000000009757958

DTC B0010, B0011 PASSENGER AIR BAG MODULE

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

PART LOCATION

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

DTC Logic

INFOID:0000000009757959

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
ASSIST AIRBAG MODULE CIRCUIT [OPEN]	B0010	Front passenger air bag module circuit (AS1) is open.	Refer to SRC-49, "Diagnosis Procedure".
ASSIST AIRBAG MODULE CIRCUIT [VB-SHORT]		Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.	
ASSIST AIRBAG MODULE CIRCUIT [GND-SHORT]		Front passenger air bag module circuit (AS1) is shorted to ground.	
ASSIST AIRBAG MODULE CIRCUIT [SHORT]		Front passenger air bag module circuits (AS1) are shorted to each other.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [OPEN]	B0011	Front passenger air bag module circuit (AS2) is open.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [VB-SHORT]		Front passenger air bag module circuit (AS2) is shorted to a power supply circuit.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [GND-SHORT]		Front passenger air bag module circuit (AS2) is shorted to ground.	
ASSIST AIRBAG MODULE 2ND CIRCUIT [SHORT]		Front passenger air bag module circuits (AS2) are shorted to each other.	

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-49, "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-49, "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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

YES >> Refer to SRC-49, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009757960

1. HARNESS CONNECTOR

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

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

Is the inspection result normal?

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

2. CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-39, "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-39, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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. FRONT PASSENGER AIR BAG MODULE

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

Is DTC still current?

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

7. RELATED HARNESS

Replace the related harness.

>> **END**

B0020 SIDE AIRBAG MODULE LH

Description

INFOID:0000000009757961

DTC B0020 FRONT LH SIDE AIR BAG MODULE

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

PART LOCATION

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

DTC Logic

INFOID:0000000009757962

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE AIRBAG MODULE LH CIRCUIT [OPEN]	B0020	Front LH side air bag module circuit is open.	Refer to SRC-51, "Diagnosis Procedure".
SIDE AIRBAG MODULE LH CIRCUIT [VB-SHORT]		Front LH side air bag module circuit is shorted to a power supply circuit.	
SIDE AIRBAG MODULE LH CIRCUIT [GND-SHORT]		Front LH side air bag module circuit is shorted to ground.	
SIDE AIRBAG MODULE LH CIRCUIT [SHORT]		Front LH side air bag module circuits are shorted to each other.	

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-51, "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-51, "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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000009757963

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-39, "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-39, "Intermittent Incident".

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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.SIDE AIR BAG MODULE LH

1. Replace the side 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 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0021 SIDE CURTAIN AIR BAG MODULE LH

Description

INFOID:0000000009757964

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 Logic

INFOID:0000000009757965

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CURTAIN AIRBAG MODULE LH CIRCUIT [OPEN]	B0021	LH side curtain air bag module circuit is open.	Refer to SRC-54, "Diagnosis Procedure".
CURTAIN AIRBAG MODULE LH CIRCUIT [VB-SHORT]		LH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN AIRBAG MODULE LH CIRCUIT [GND-SHORT]		LH side curtain air bag module circuit is shorted to ground.	
CURTAIN AIRBAG MODULE LH CIRCUIT [SHORT]		LH side curtain air bag module circuits are shorted to each other.	

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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000009757966

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-39, "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-39, "Intermittent Incident".

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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.SIDE CURTAIN AIR BAG MODULE LH

1. Replace the side curtain air bag module LH. Refer to SR-22, "Removal and Installation".
2. Turn ignition switch ON.
3. Check for DTC 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:0000000009757967

DTC B0028 FRONT RH SIDE AIR BAG MODULE

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

PART LOCATION

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

DTC Logic

INFOID:0000000009757968

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE AIRBAG MODULE RH CIRCUIT [OPEN]	B0028	Front RH side air bag module circuit is open.	Refer to SRC-57, "Diagnosis Procedure".
SIDE AIRBAG MODULE RH CIRCUIT [VB-SHORT]		Front RH side air bag module circuit is shorted to a power supply circuit.	
SIDE AIRBAG MODULE RH CIRCUIT [GND-SHORT]		Front RH side air bag module circuit is shorted to ground.	
SIDE AIRBAG MODULE RH CIRCUIT [SHORT]		Front RH side air bag module circuits are shorted to each other.	

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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000009757969

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-39, "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-39, "Intermittent Incident".

5. AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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. SIDE AIR BAG MODULE RH

1. Replace the side 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 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B0029 SIDE CURTAIN AIR BAG MODULE RH

Description

INFOID:0000000009757970

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 Logic

INFOID:0000000009757971

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CURTAIN AIRBAG MODULE RH CIRCUIT [OPEN]	B0029	RH side curtain air bag module circuit is open.	Refer to SRC-60, "Diagnosis Procedure".
CURTAIN AIRBAG MODULE RH CIRCUIT [VB-SHORT]		RH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN AIRBAG MODULE RH CIRCUIT [GND-SHORT]		RH side curtain air bag module circuit is shorted to ground.	
CURTAIN AIRBAG MODULE RH CIRCUIT [SHORT]		RH side curtain air bag module circuits are shorted to each other.	

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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000009757972

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-39, "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-39, "Intermittent Incident".

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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.SIDE CURTAIN AIR BAG MODULE RH

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

Is DTC still current?

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

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

Description

INFOID:0000000009757973

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 Logic

INFOID:0000000009757974

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
B-PILLAR SATELLITE SENSOR LH [SENSOR FAIL]	B0091	Front side air bag satellite sensor LH has malfunctioned.	Refer to SRC-64, "Diagnosis Procedure".
B-PILLAR SATELLITE SENSOR LH [COMM FAIL]		Front side air bag satellite sensor LH communication error.	
B-PILLAR SATELLITE SENSOR LH [DISCONNECT]		Front side air bag satellite sensor LH is disconnected.	
B-PILLAR SATELLITE SENSOR LH [UNMATCH]		Front side air bag satellite sensor LH is out of specification.	
B-PILLAR SATELLITE SENSOR LH [GND-SHORT]		Front side air bag satellite sensor LH circuit is shorted to ground.	

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-64, "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-64, "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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000009757975

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-39, "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-39, "Intermittent Incident".

5.FRONT SIDE AIR BAG SATELLITE SENSOR LH

1. Replace the front side air bag satellite sensor 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-28, "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:0000000009757976

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 Logic

INFOID:0000000009757977

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
C-PILLAR SATELLITE SENSOR LH [SENSOR FAIL]	B0092	Rear side air bag satellite sensor LH has malfunctioned.	Refer to SRC-67, "Diagnosis Procedure".
C-PILLAR SATELLITE SENSOR LH [COMM FAIL]		Rear side air bag satellite sensor LH communication error.	
C-PILLAR SATELLITE SENSOR LH [DISCONNECT]		Rear side air bag satellite sensor LH is disconnected.	
C-PILLAR SATELLITE SENSOR LH [UNMATCH]		Rear side air bag satellite sensor LH is out of specification.	
C-PILLAR SATELLITE SENSOR LH [GND-SHORT]		Rear side air bag satellite sensor LH circuit is shorted to ground.	

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-67, "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-67, "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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

YES >> Refer to SRC-67, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009757978

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-39, "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-39, "Intermittent Incident".

5.REAR SIDE AIR BAG SATELLITE SENSOR LH

1. Replace the rear side air bag satellite sensor 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-28, "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:0000000009757979

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 Logic

INFOID:0000000009757980

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
DOOR SATELLITE SENSOR LH [SENSOR FAIL]	B0093	Front door satellite sensor LH has malfunctioned.	Refer to SRC-70, "Diagnosis Procedure".
DOOR SATELLITE SENSOR LH [COMM FAIL]		Front door satellite sensor LH communication error.	
DOOR SATELLITE SENSOR LH [DISCONNECT]		Front door satellite sensor LH is disconnected.	
DOOR SATELLITE SENSOR LH [UNMATCH]		Front door satellite sensor LH is out of specification.	
DOOR SATELLITE SENSOR LH [GND-SHORT]		Front door satellite sensor LH circuit is shorted to ground.	

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-70, "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-70, "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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

YES >> Refer to SRC-70, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009757981

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-39, "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-39, "Intermittent Incident".

5.FRONT DOOR SATELLITE SENSOR LH

1. Replace the front door satellite sensor 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-28, "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:0000000009757982

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 Logic

INFOID:0000000009757983

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CRASH ZONE SENSOR [SENSOR FAIL]	B0094	Crash zone sensor has malfunctioned.	Refer to SRC-73, "Diagnosis Procedure".
CRASH ZONE SENSOR [COMM FAIL]		Crash zone sensor communication error.	
CRASH ZONE SENSOR [DISCONNECT]		Crash zone sensor is disconnected.	
CRASH ZONE SENSOR [UNMATCH]		Crash zone sensor is out of specification.	
CRASH ZONE SENSOR [GND-SHORT]		Crash zone sensor circuit is shorted to ground.	

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-73, "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-73, "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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

YES >> Refer to SRC-73, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009757984

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-39, "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-39, "Intermittent Incident".

5.CRASH ZONE SENSOR

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

Is DTC still current?

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

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

Description

INFOID:0000000009757985

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 Logic

INFOID:0000000009757986

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
B-PILLAR SATELLITE SENSOR RH [SENSOR FAIL]	B0096	Front side air bag satellite sensor RH has malfunctioned.	Refer to SRC-76, "Diagnosis Procedure".
B-PILLAR SATELLITE SENSOR RH [COMM FAIL]		Front side air bag satellite sensor RH communication error.	
B-PILLAR SATELLITE SENSOR RH [DISCONNECT]		Front side air bag satellite sensor RH is disconnected.	
B-PILLAR SATELLITE SENSOR RH [UNMATCH]		Front side air bag satellite sensor RH is out of specification.	
B-PILLAR SATELLITE SENSOR RH [GND-SHORT]		Front side air bag satellite sensor RH circuit is shorted to ground.	

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-76, "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-76, "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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

YES >> Refer to SRC-76, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009757987

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-39, "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-39, "Intermittent Incident".

5.FRONT SIDE AIR BAG SATELLITE SENSOR RH

1. Replace the front side air bag satellite sensor 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-28, "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:0000000009757988

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 Logic

INFOID:0000000009757989

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
C-PILLAR SATELLITE SENSOR RH [SENSOR FAIL]	B0097	Rear side air bag satellite sensor RH has malfunctioned.	Refer to SRC-79, "Diagnosis Procedure".
C-PILLAR SATELLITE SENSOR RH [COMM FAIL]		Rear side air bag satellite sensor RH communication error.	
C-PILLAR SATELLITE SENSOR RH [DISCONNECT]		Rear side air bag satellite sensor RH is disconnected.	
C-PILLAR SATELLITE SENSOR RH [UNMATCH]		Rear side air bag satellite sensor RH is out of specification.	
C-PILLAR SATELLITE SENSOR RH [GND-SHORT]		Rear side air bag satellite sensor RH circuit is shorted to ground.	

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-79, "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-79, "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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000009757990

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-39, "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-39, "Intermittent Incident".

5.REAR SIDE AIR BAG SATELLITE SENSOR RH

1. Replace the rear side air bag satellite sensor 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-28, "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:0000000009757991

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 Logic

INFOID:0000000009757992

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
DOOR SATELLITE SENSOR RH [SENSOR FAIL]	B0098	Front door satellite sensor RH has malfunctioned.	Refer to SRC-82, "Diagnosis Procedure".
DOOR SATELLITE SENSOR RH [COMM FAIL]		Front door satellite sensor RH communication error.	
DOOR SATELLITE SENSOR RH [DISCONNECT]		Front door satellite sensor RH is disconnected.	
DOOR SATELLITE SENSOR RH [UNMATCH]		Front door satellite sensor RH is out of specification.	
DOOR SATELLITE SENSOR RH [GND-SHORT]		Front door satellite sensor RH circuit is shorted to ground.	

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-82, "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-82, "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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

YES >> Refer to SRC-82, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009757993

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-39, "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-39, "Intermittent Incident".

5.FRONT DOOR SATELLITE SENSOR RH

1. Replace the front door satellite sensor 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-28, "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:0000000009757994

DTC B1428 SEAT BELT BUCKLE SWITCH LH

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

PART LOCATION

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

DTC Logic

INFOID:0000000009757995

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SEAT BELT BUCKLE SW LH CIRCUIT [OPEN]	B1428	Seat belt buckle switch LH circuit is open.	Refer to SRC-84, "Diagnosis Procedure".
SEAT BELT BUCKLE SW LH CIRCUIT [VB-SHORT]		Seat belt buckle switch LH circuit is shorted to a power supply circuit.	
SEAT BELT BUCKLE SW LH CIRCUIT [GND-SHORT]		Seat belt buckle switch LH circuit is shorted to ground.	
SEAT BELT BUCKLE SW LH CIRCUIT [UNDEFINED]		Seat belt buckle switch LH circuit is malfunctioning.	

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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000009757996

1.HARNESS CONNECTOR

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

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

Is the inspection result normal?

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3
NO >> Refer to GI-39, "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-39, "Intermittent Incident".

5.SEAT BELT BUCKLE SWITCH LH

1. Replace the seat belt buckle switch LH. 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 6.
NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B1429 SEAT BELT BUCKLE SWITCH RH

Description

INFOID:0000000009757997

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:0000000009757998

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SEAT BELT BUCKLE SW RH CIRCUIT [OPEN]	B1429	Seat belt buckle switch RH circuit is open.	Refer to SRC-87, "Diagnosis Procedure".
SEAT BELT BUCKLE SW RH CIRCUIT [VB-SHORT]		Seat belt buckle switch RH circuit is shorted to a power supply circuit.	
SEAT BELT BUCKLE SW RH CIRCUIT [GND-SHORT]		Seat belt buckle switch RH circuit is shorted to ground.	
SEAT BELT BUCKLE SW RH CIRCUIT [UNDEFINED]		Seat belt buckle switch RH circuit is malfunctioning.	

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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000009757999

1.HARNESS CONNECTOR

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

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

Is the inspection result normal?

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3
NO >> Refer to GI-39, "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-39, "Intermittent Incident".

5.SEAT BELT BUCKLE SWITCH RH

1. Replace the seat belt buckle switch RH. 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 6.
NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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 7.
NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> **END**

B1430, B1432 SEAT BELT PRE-TENSIONER LH

Description

INFOID:0000000009758000

DTC B1430, 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 Logic

INFOID:0000000009758001

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FRONT PRE-TEN LH CIRCUIT [OPEN]	B1430	LH seat belt pre-tensioner circuit is open. (shoulder belt)	Refer to SRC-91, "Diagnosis Procedure".
FRONT PRE-TEN LH CIRCUIT [VB-SHORT]		LH seat belt pre-tensioner circuit is shorted to a power supply circuit. (shoulder belt)	
FRONT PRE-TEN LH CIRCUIT [GND-SHORT]		LH seat belt pre-tensioner circuit is shorted to ground. (shoulder belt)	
FRONT PRE-TEN LH CIRCUIT [SHORT]		LH seat belt pre-tensioner circuits are shorted to each other. (shoulder belt)	
FRONT PRE-TEN2 LH CIRCUIT [OPEN]	B1432	LH seat belt pre-tensioner circuit is open. (lap belt)	
FRONT PRE-TEN2 LH CIRCUIT [VB-SHORT]		LH seat belt pre-tensioner circuit is shorted to a power supply circuit. (lap belt)	
FRONT PRE-TEN2 LH CIRCUIT [GND-SHORT]		LH seat belt pre-tensioner circuit is shorted to ground. (lap belt)	
FRONT PRE-TEN2 LH CIRCUIT [SHORT]		LH seat belt pre-tensioner circuits are shorted to each other. (lap belt)	

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-91, "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-91, "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-17, "Trouble Diagnosis without CONSULT".

NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-91, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009758002

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-39, "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-39, "Intermittent Incident".

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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.SEAT BELT PRE-TENSIONER LH

1. Replace the seat belt pre-tensioner LH. Refer to SR-31, "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:0000000009758003

DTC B1431, 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 Logic

INFOID:0000000009758004

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FRONT PRE-TEN RH CIRCUIT [OPEN]	B1431	RH seat belt pre-tensioner circuit is open. (shoulder belt)	Refer to SRC-94, "Diagnosis Procedure".
FRONT PRE-TEN RH CIRCUIT [VB-SHORT]		RH seat belt pre-tensioner circuit is shorted to a power supply circuit. (shoulder belt)	
FRONT PRE-TEN RH CIRCUIT [GND-SHORT]		RH seat belt pre-tensioner circuit is shorted to ground. (shoulder belt)	
FRONT PRE-TEN RH CIRCUIT [SHORT]		RH seat belt pre-tensioner circuits are shorted to each other. (shoulder belt)	
FRONT PRE-TEN2 RH CIRCUIT [OPEN]	B1433	RH seat belt pre-tensioner circuit is open. (lap belt)	
FRONT PRE-TEN2 RH CIRCUIT [VB-SHORT]		RH seat belt pre-tensioner circuit is shorted to a power supply circuit. (lap belt)	
FRONT PRE-TEN2 RH CIRCUIT [GND-SHORT]		RH seat belt pre-tensioner circuit is shorted to ground. (lap belt)	
FRONT PRE-TEN2 RH CIRCUIT [SHORT]		RH seat belt pre-tensioner circuits are shorted to each other. (lap belt)	

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-94, "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-94, "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-17, "Trouble Diagnosis without CONSULT".

NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-94, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009758005

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-39, "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-39, "Intermittent Incident".

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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.SEAT BELT PRE-TENSIONER RH

1. Replace the seat belt pre-tensioner RH. Refer to SR-31, "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 IGNITION VOLTAGE

Description

INFOID:0000000009758006

DTC B142A IGNITION VOLTAGE

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

PART LOCATION

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

DTC Logic

INFOID:0000000009758007

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
IGN VOLTAGE [LOW]	B142A	Ignition voltage low at air bag diagnosis sensor unit.	Refer to SRC-96, "Diagnosis Procedure".
IGN VOLTAGE [HIGH]		Ignition voltage high at air bag diagnosis sensor unit.	

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-96, "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-96, "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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

YES >> Refer to SRC-96, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009758008

1.HARNESS CONNECTOR

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

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

Is the inspection result normal?

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3
NO >> Refer to GI-39, "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-39, "Intermittent Incident".

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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.RELATED HARNESS

Replace the related harness.

>> **END**

B142X COLLISION DETECTION

Description

INFOID:0000000009758009

DTC B142X COLLISION DETECTION

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

PART LOCATION

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

DTC Logic

INFOID:0000000009758010

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FRONTAL COLLISION DETECTION	B1421	Frontal collision detected. Driver and/or front passenger air bag modules are deployed.	Refer to SR-5, "For Frontal Collision".
SIDE COLLISION DETECTION	B1422	Side collision detected. Curtain air bag module and seat belt pre-tensioner are deployed.	Refer to SR-7, "For Side and Rollover Collision".
REAR COLLISION DETECTION	B1425	Rear collision has been detected.	Replace air bag diagnosis unit. Refer to SR-28, "Removal and Installation".
AIRBAG DISPOSAL COMPLETION	B1426	Collision has been detected. Air bag diagnosis sensor unit has not yet been replaced following repairs.	

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-98, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009758011

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

B14XX AIR BAG DIAGNOSIS SENSOR UNIT

Description

INFOID:0000000009758012

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 Logic

INFOID:0000000009758013

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CONTROL UNIT [UNIT FAIL]	B14XX	Air bag diagnosis sensor unit is malfunctioning.	Refer to SRC-99, "Diagnosis Procedure".
AIRBAG DISPOSAL COMPLETION			

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-99, "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-99, "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-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

YES >> Refer to SRC-99, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009758014

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-39, "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-39, "Intermittent Incident".

5.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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.RELATED HARNESS

Replace the related harness.

>> **END**

B00A0 OCS SYSTEM

Description

INFOID:0000000009758015

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 Logic

INFOID:0000000009758016

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
OCCUPANT DETECTION SENSOR UNIT [UNIT FAIL]	B00A0	The OCS control unit is malfunctioning.	Refer to SRC-102, "Diagnosis Procedure".
OCCUPANT DETECTION SENSOR UNIT [NO DATA]			
OCCUPANT DETECTION SENSOR UNIT [UNDEFINED]			
OCCUPANT DETECTION SENSOR UNIT [RESET FAIL]			
OCCUPANT DETECTION SENSOR [UNIT FAIL]		The OCS sensor is malfunctioning.	
OCCUPANT DETECTION SENSOR [POWER FAIL]		The OCS sensor circuit is malfunctioning.	
OCCUPANT DETECTION SENSOR UNIT [COMM FAIL]		Communication between the OCS control unit and the air bag diagnosis sensor unit is interrupted.	

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-102, "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-102, "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-17, "Trouble Diagnosis without CONSULT".

NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-102, "Diagnosis Procedure".
NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009758017

1.HARNESS CONNECTOR

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

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

Is the inspection result normal?

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.
NO >> Refer to GI-39, "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-39, "Intermittent Incident".

5.REPLACE OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

1. Replace the occupant classification control 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.AIR BAG DIAGNOSIS SENSOR UNIT

1. Replace the air bag diagnosis sensor unit. 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 7.
NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B00D5 PASSENGER AIR BAG OFF INDICATOR

Description

INFOID:0000000009758018

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 Logic

INFOID:0000000009758019

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PASSENGER AIRBAG INDICATOR CIRCUIT [FAIL]	B00D5	Front passenger air bag OFF indicator is malfunctioning.	Refer to SRC-105, "Diagnosis Procedure".
PASSENGER AIRBAG INDICATOR CIRCUIT [OPEN]		Front passenger air bag OFF indicator circuit is open.	
PASSENGER AIRBAG INDICATOR CIRCUIT [VB-SHORT]		Front passenger air bag OFF indicator is shorted to a power supply circuit.	
PASSENGER AIRBAG INDICATOR CIRCUIT [GND-SHORT]		Front passenger air bag OFF indicator is shorted to ground.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

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

Is the DTC detected?

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

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

1. Turn ignition switch ON.
2. Check the air bag warning lamp status. Refer to SRC-17, "Trouble Diagnosis without CONSULT".

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

Is the DTC detected?

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

Diagnosis Procedure

INFOID:0000000009758020

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-39, "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-39, "Intermittent Incident".

5.PASSENGER AIR BAG OFF INDICATOR

1. Replace the passenger air bag off indicator. Refer to SR-33, "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-28, "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**

SYMPTOM DIAGNOSIS

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Diagnosis Procedure

INFOID:0000000009758021

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.3, 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-28, "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-77, "Removal and Installation".
2. Check air bag warning lamp operation.

Is the inspection result normal?

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

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

Diagnosis Procedure

INFOID:0000000009758022

1.CHECK COMBINATION METER POWER SUPPLY AND GROUND CIRCUIT

Check combination meter unit power supply and ground circuit. Refer to MWI-52, "COMBINATION METER : Diagnosis Procedure".

Is the inspection result normal?

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

2.CHECK HARNESS CONNECTOR

Check the harness connector.

Is the inspection result normal?

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

3.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

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

4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

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

Does air bag warning lamp turn ON?

YES >> Replace air bag diagnosis sensor unit. Refer to SR-28, "Removal and Installation".
NO >> Replace combination meter. Refer to MWI-77, "Removal and Installation".

SEAT BELT WARNING SYSTEM

Seat Belt Warning System Does Not Function

INFOID:0000000010288780

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-25, "Fail-Safe".

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-28, "Removal and Installation".