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SECTION

SRC

SRS AIRBAG CONTROL SYSTEM

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

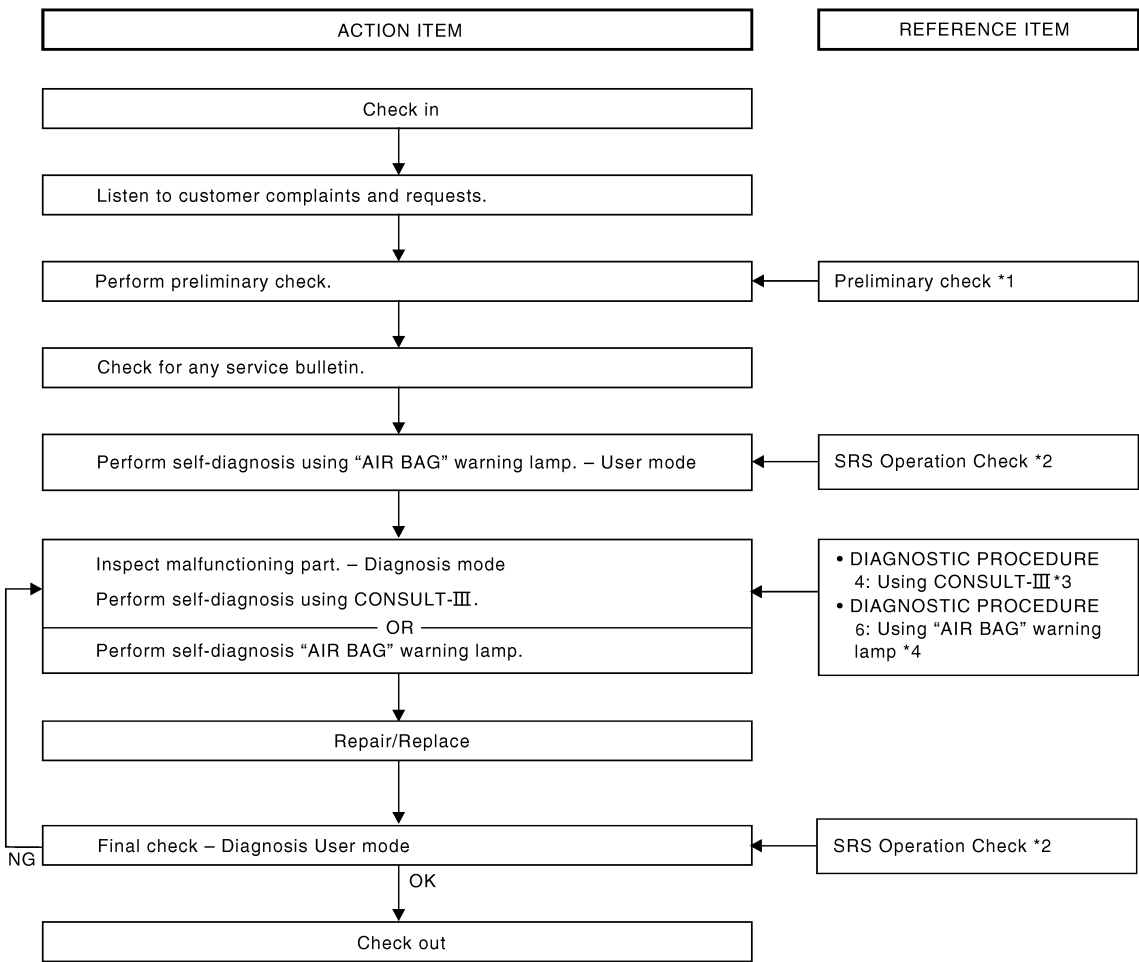
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000001396344

OVERALL SEQUENCE



SRC

WHIA0348E

*1 [SRC-11. "Trouble Diagnosis Introduction"](#)

*2 [SRC-11. "SRS Operation Check"](#)

*3 [SRC-5. "Trouble Diagnosis with CONSULT-III"](#)

*4 [SRC-13. "Self-Diagnosis Function \(Without CONSULT-III\)"](#)

DETAILED WORK FLOW

1.CUSTOMER INFORMATION

Get detailed information from the customer about the symptom.

>> GO TO 2

2.PRELIMINARY CHECK

Perform preliminary check. Refer to [SRC-11. "Trouble Diagnosis Introduction"](#).

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

>> GO TO 3

3. TECHNICAL SERVICE BULLETINS

Check for technical service bulletins.

>> GO TO 4

4. USER MODE

Perform self-diagnosis using the "AIR BAG" warning lamp in User mode. Refer to [SRC-11, "SRS Operation Check"](#).

>> GO TO 5

5. SELF-DIAGNOSIS

Perform SELF-DIAGNOSIS. Refer to [SRC-5, "Trouble Diagnosis with CONSULT-III"](#) (w/CONSULT-III) or [SRC-13, "Self-Diagnosis Function \(Without CONSULT-III\)"](#) (w/o CONSULT- III).

>> GO TO 6

6. REPLACE PART

Replace the malfunctioning part.

>> GO TO 7

7. FINAL CHECK

Check SRS using Diagnosis mode and User mode.

Does Diagnosis mode and User mode indicate SRS normal?

YES >> Inspection end.

NO >> GO TO 5

INTERMITTENT INCIDENT

< BASIC INSPECTION >

INTERMITTENT INCIDENT

Inspection Procedure

INFOID:000000001396345

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] using CONSULT-III.

Trouble Diagnosis with CONSULT-III

INFOID:000000001396346

DIAGNOSTIC PROCEDURE 4

Check SRS Repair History

1.CONSIDER POSSIBILITY THAT SELF-DIAGNOSTIC RESULT WAS NOT ERASED AFTER REPAIR

Check repair history of the SRS.

Have any previous repairs been made to the SRS?

- Yes >> Self-diagnostic result "SELF-DIAG [PAST]" (previously stored in the memory) might not be erased after repair. Proceed to "DIAGNOSTIC PROCEDURE 3". Refer to [SRC-13, "Self-Diagnosis Function \(Without CONSULT-III\)"](#).
- No >> Proceed to "DIAGNOSTIC PROCEDURE 2". Refer to [SRC-11, "SRS Operation Check"](#).

SRC

SRS AIR BAG SYSTEM

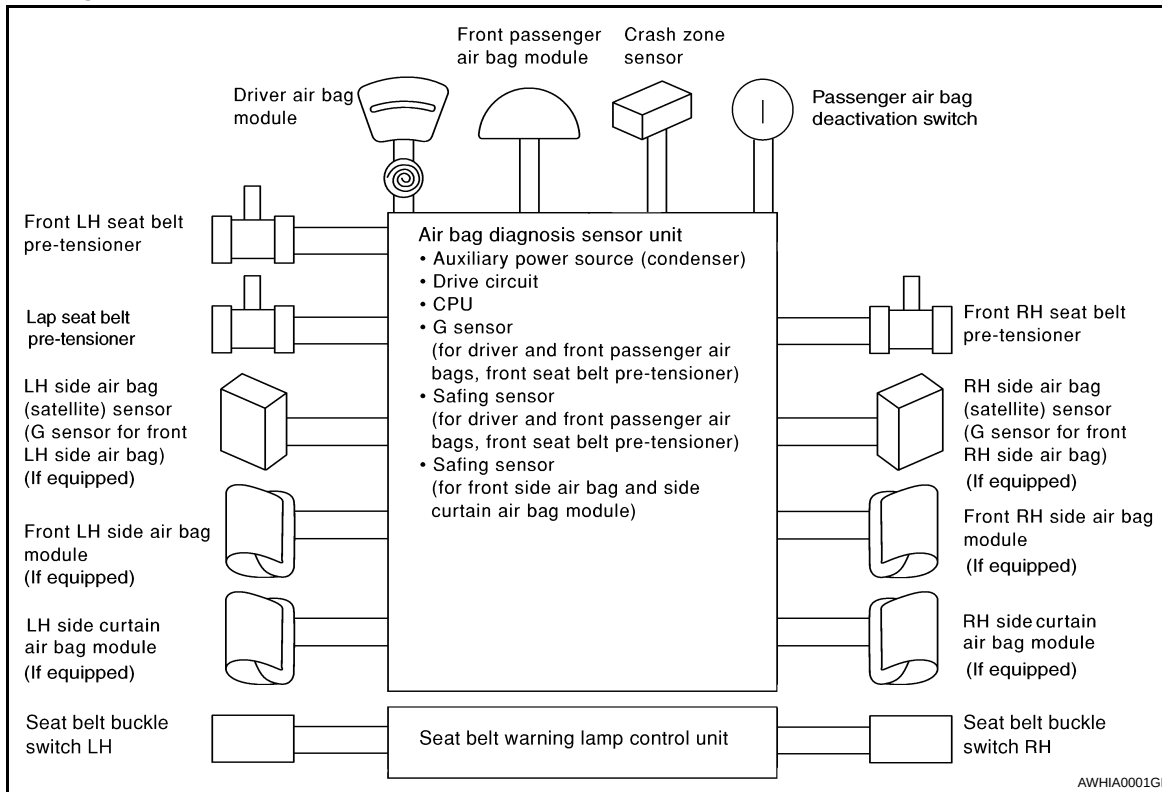
< FUNCTION DIAGNOSIS >

FUNCTION DIAGNOSIS

SRS AIR BAG SYSTEM

SRS Configuration

INFOID:000000001396347



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 configurations for some collision modes are as follows:

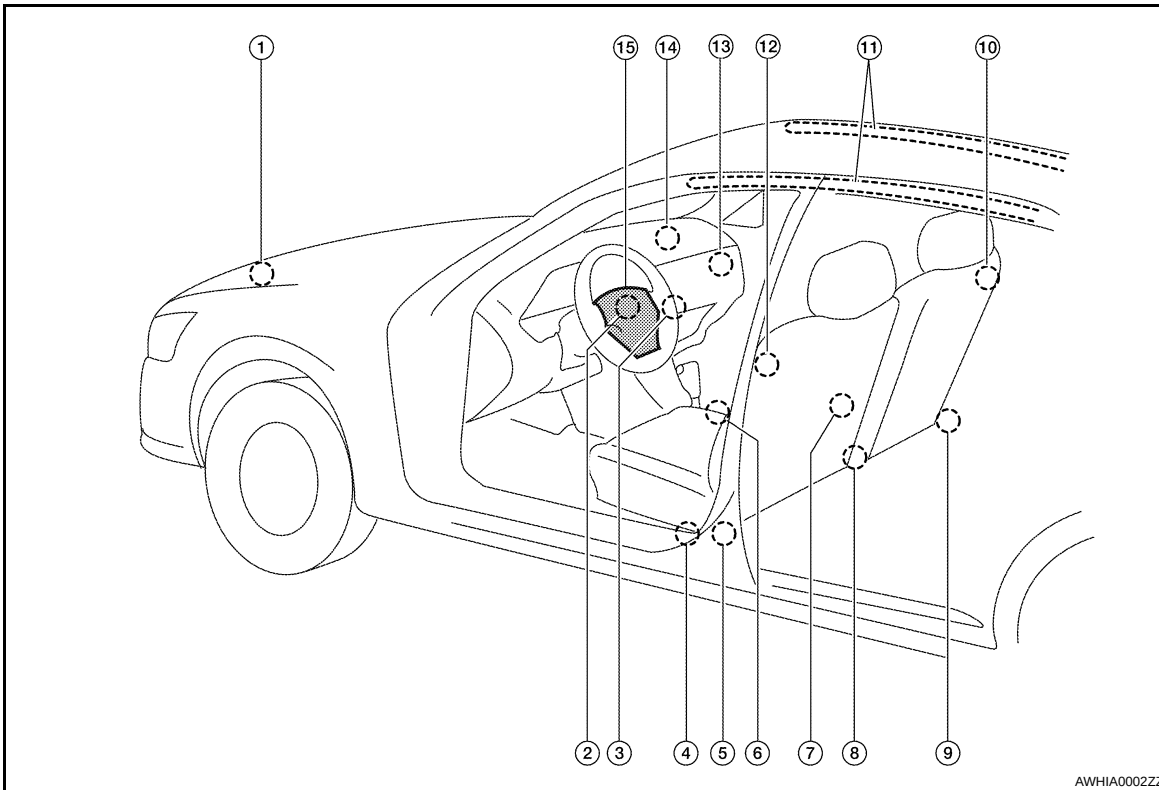
SRS configuration	Frontal collision	Left side collision	Right side collision
Driver air bag module	×	—	—
Front passenger air bag module	×	—	—
Front LH seat belt pre-tensioner	×	—	—
Lap seat belt pre-tensioner	×	—	—
Front RH seat belt pre-tensioner	×	—	—
Front LH side air bag module	—	×	—
Front RH side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

SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

SRS Component Parts Location

INFOID:000000001396420

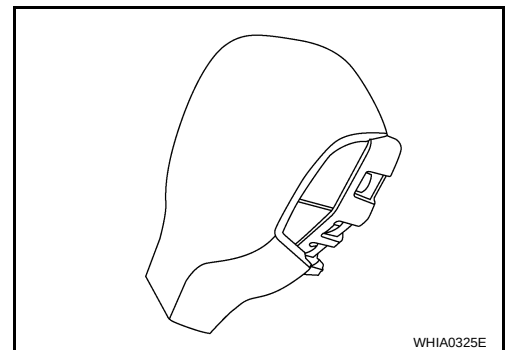


- | | | |
|---|--|--|
| 1. Crash zone sensor | 2. Spiral cable | 3. Front passenger air bag off indicator |
| 4. Lap seat belt pre-tensioner | 5. Front LH seat belt pre-tensioner
LH side air bag satellite sensor
(if equipped) | 6. Air bag diagnosis sensor unit |
| 7. Seat belt warning lamp control unit | 8. Seat belt buckle switch LH
Seat belt buckle switch RH | 9. Front RH seat belt pre-tensioner
RH side air bag satellite sensor
(if equipped) |
| 10. Front RH side air bag module
(if equipped) | 11. Side curtain air bag modules
(if equipped) | 12. Front LH side air bag module
(if equipped) |
| 13. Passenger air bag deactivation
switch | 14. Front passenger air bag module | 15. Driver air bag module |

Driver Air Bag Module

INFOID:000000001396421

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



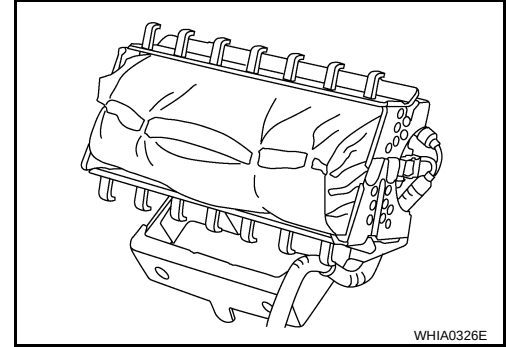
SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

Front Passenger Air Bag Module

INFOID:000000001396422

The front passenger air bag module is single stage and located behind the instrument panel assembly (mounted to the steering member). It operates with the SRS system in a frontal collision exceeding a specified level.



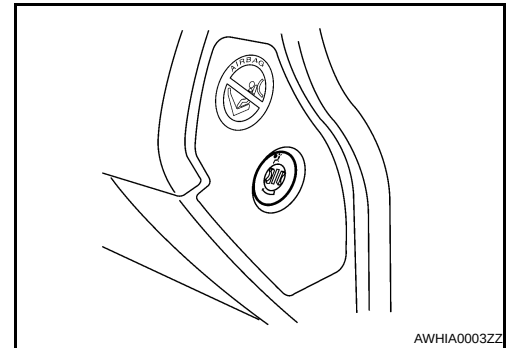
Passenger Air Bag Deactivation Switch

INFOID:000000001404302

The passenger air bag deactivation switch is located on the RH side of the instrument panel. The switch can be operated with the ignition key (models without Intelligent Key) or mechanical key (models with Intelligent Key). When the switch is turned to the ON position, the passenger air bag is enabled and could inflate in a frontal collision. When the switch is turned to the OFF position, the passenger air bag is disabled and will not inflate in a frontal collision. After any SRS repair, make sure the passenger air bag deactivation switch is in the same position as when the vehicle arrived for service.

NOTE:

In case of customer concern, CONSULT-III can be used to confirm the passenger air bag status (readiness).



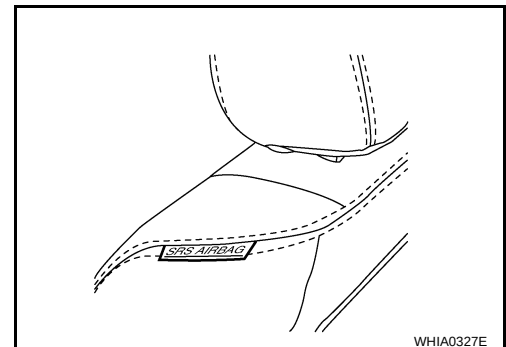
Passenger Air Bag Deactivation Switch Status

Passenger Air Bag Deactivation Switch (Position)	PASS AIR BAG OFF Indicator	Passenger Air Bag Status (Readiness)	CONSULT-III Display
ON	OFF	Active (enabled)	ON
OFF	ON	Deactivated (disabled)	OFF

Front Side Air Bag

INFOID:000000001396351

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

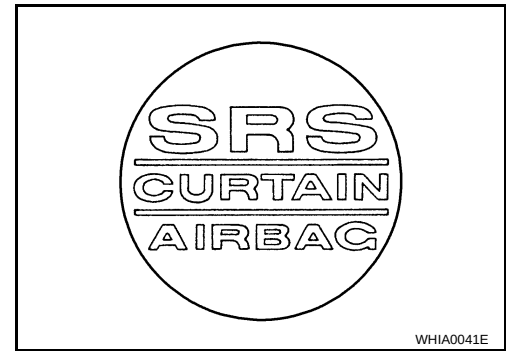
INFOID:000000001396352

Side curtain air bag modules are located above the vehicle headlining.

SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

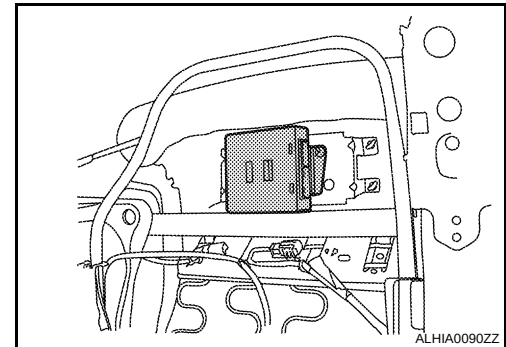
Vehicles with side curtain air bags are equipped with labels as shown.



Seat Belt Warning Lamp Control Unit

INFOID:000000001724663

The seat belt warning lamp control unit is located under the passenger seat. The control unit monitors the status of the driver and passenger seat belt buckle switches as well as vehicle speed. The control unit uses a timer to turn the driver and passenger seat belt warning lamps ON and OFF.



Seat Belt Pre-tensioners

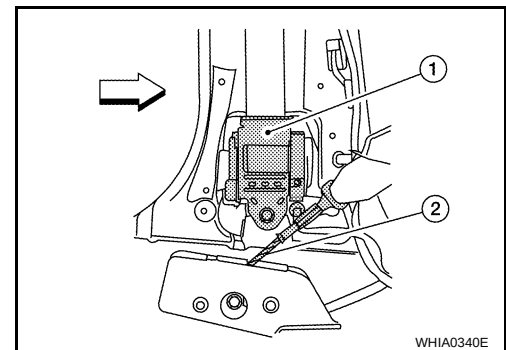
INFOID:000000001396423

The front seat belt pre-tensioners are installed for both the driver's seat and the front passenger's seat. They operate simultaneously with the SRS air bag system in the event of a frontal collision with an impact exceeding a specified level.

The lap seat belt pre-tensioner (2), mounted in the belt anchor position, works in conjunction with the front LH or RH seat belt pre-tensioner (1) depending on drive configuration (LHD/RHD).

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 pre-tensioners. 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.



Direct-connect SRS Component Connectors

INFOID:000000001396354

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

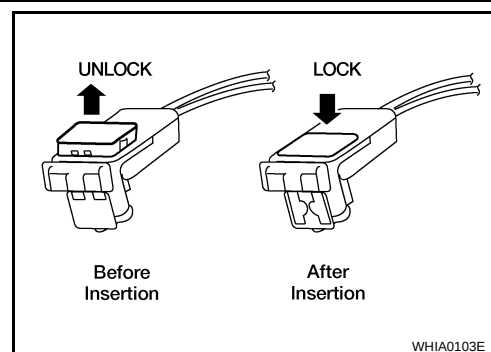
- Driver air bag module
- Front passenger air bag module
- LH side curtain air bag module
- RH side curtain air bag module
- Front LH seat belt pre-tensioner
- Lap seat belt pre-tensioner
- Front RH seat belt pre-tensioner

Always pull up to release locking tab prior to removing connector from SRS component.

SRS AIR BAG SYSTEM

< FUNCTION DIAGNOSIS >

Always push down to lock locking tab after installing connector to SRS component. When locked, the locking tab is level with the connector housing.



ON BOARD DIAGNOSTIC (OBD) SYSTEM

< FUNCTION DIAGNOSIS >

ON BOARD DIAGNOSTIC (OBD) SYSTEM

Trouble Diagnosis Introduction

INFOID:000000001396360

CAUTION:

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

DIAGNOSIS FUNCTION

The SRS self-diagnosis results can be read by using "AIR BAG" warning lamp and/or CONSULT-III.

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-III are as follows:

	User mode	Diagnosis mode	Display type
"AIR BAG" warning lamp	X	X	ON-OFF operation
CONSULT-III	—	X	Monitoring

HOW TO PERFORM TROUBLE DIAGNOSES FOR QUICK AND ACCURATE REPAIR

A good understanding of the malfunction conditions can make troubleshooting faster and more accurate.

In general, each customer feels differently about a malfunction. It is important to fully understand the symptoms or conditions for a customer complaint.

Information From Customer

WHAT - Vehicle model

WHEN - Date, Frequencies

WHERE - Road conditions

HOW - Operating conditions, Symptoms

Preliminary Check

Check that the following parts are in good order.

- Battery
- Fuses
- System component-to-harness connections

SRS Operation Check

INFOID:000000001396361

DIAGNOSTIC PROCEDURE 1

Checking SRS Operation Using "AIR BAG" Warning Lamp—User Mode

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



< FUNCTION DIAGNOSIS >

"AIR BAG" warning lamp (User mode)	SRS condition	Reference item
SHIA0011E	- No malfunction is detected. - No further action is necessary.	—
SHIA0012E	The system is malfunctioning and needs to be repaired as indicated.	Proceed to DIAGNOSTIC PROCEDURE 2 that follows (with CONSULT-III) or SRC-13, "Trouble Diagnosis without CONSULT-III" (without CONSULT-III).
SHIA0013E	- Air bag is deployed. - Seat belt pre-tensioner is deployed.	Proceed to COLLISION DIAGNOSIS SR-23, "For Frontal Collision" or SR-24, "For Side and Rollover Collision" .
SHIA0014E	- Air bag diagnosis sensor unit is malfunctioning. - Air bag warning lamp circuit is malfunctioning.	Refer to SRC-82, "Air Bag Warning Lamp Does Not Turn On" .

1. Connect CONSULT-III.
2. Diagnostic code is displayed on "SELF-DIAG [CURRENT]".
If no malfunction is detected on "SELF-DIAG [CURRENT]", but malfunction is detected in "SRS Operation Check" using the "AIR BAG" warning lamp, the following cases may exist:
 - "SELF-DIAG [PAST]" memory might not be erased.
 - The SRS system malfunctions intermittently.Perform DIAGNOSTIC PROCEDURE 4. Refer to [SRC-13, "Self-Diagnosis Function \(Without CONSULT-III\)"](#).

ON BOARD DIAGNOSTIC (OBD) SYSTEM

< FUNCTION DIAGNOSIS >

Trouble Diagnosis without CONSULT-III

INFOID:000000001396362

DIAGNOSTIC PROCEDURE 6

Inspect SRS Malfunction Using "AIR BAG" Warning Lamp—Diagnosis Mode

NOTE:

SRS will not enter Diagnosis mode if no malfunction is 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-13, "Trouble Diagnosis without CONSULT-III"](#).

CONSULT-III Function (AIR BAG)

INFOID:000000001396363

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

AIR BAG diagnostic mode	Description
SELF-DIAG [CURRENT]	A current Self-diagnosis result (also indicated by the number of warning lamp flashes in the Diagnosis mode) is displayed on the CONSULT-III screen in real time. This refers to a malfunctioning part requiring repairs.
SELF-DIAG [PAST]	Diagnosis results previously stored in the memory are displayed on the CONSULT-III screen. The stored results will remain until memory erasing is executed.
TROUBLE DIAG RECORD	With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be displayed on the CONSULT-III screen.
ECU DISCRIMINATED NO.	The air bag diagnosis sensor unit for each vehicle model is assigned with its own, individual classification number. This number will be displayed on the CONSULT-III screen, as shown. When replacing the air bag diagnosis sensor unit, refer to the part number for the compatibility. After installation, replacement with a correct unit can be checked by confirming this classification number on the CONSULT-III screen. The air bag diagnosis sensor unit discriminated numbers assigned are: • A60C (LHD vehicles with front side air bags only) • A60A (RHD vehicles with front side air bags only) • A60E (LHD vehicles with front side and side curtain air bags) • A60B (RHD vehicles with front side and side curtain air bags) • A611 (vehicles without front side and side curtain air bags)
PASSENGER AIR BAG	The STATUS (readiness) of the front passenger air bag module is displayed. The STATUS displayed (ON/OFF) depends on the signals supplied to the air bag diagnosis sensor unit from the passenger air bag deactivation switch. Refer to SRC-8, "Passenger Air Bag Deactivation Switch" for more information.

Self-Diagnosis Function (Without CONSULT-III)

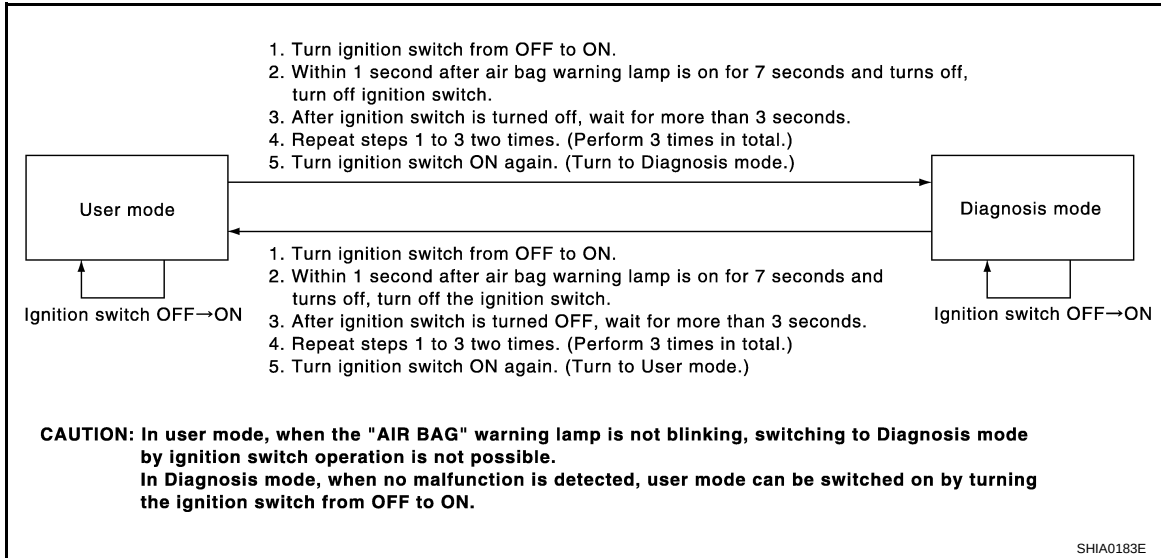
INFOID:000000001396364

- The reading of these results is accomplished using one of two modes —"User mode" and "Diagnosis mode".
- After a malfunction is repaired, turn the ignition switch OFF for at least one second, then back ON. Diagnosis mode returns to the User mode. At that time, the self-diagnostic result is cleared.

ON BOARD DIAGNOSTIC (OBD) SYSTEM

< FUNCTION DIAGNOSIS >

HOW TO CHANGE SELF-DIAGNOSIS MODE



DIAGNOSTIC PROCEDURE 3

Final Check of SRS Using CONSULT-III—Diagnosis Mode

1. Connect CONSULT-III.
2. If no DTC is detected on "SELF-DIAG [CURRENT]", repair of SRS is completed. Go to step 3.
If any DTC is detected on "SELF-DIAG [CURRENT]", the malfunctioning part has not been repaired completely or another malfunctioning part is being detected. Perform DIAGNOSTIC PROCEDURE 2. Refer to [SRC-11, "SRS Operation Check"](#).
3. Touch "ERASE".
NOTE:
Touch "ERASE" to clear the memory of the malfunction ("SELF-DIAG [PAST]").
If the memory of the malfunction in "SELF-DIAG [PAST]" is not erased, the User mode shows the system malfunction by the operation of the warning lamp even if the malfunction is repaired completely.
4. Touch "BACK" key of CONSULT-III. Touch "SELF-DIAG [PAST]".
5. Check that no malfunction is detected on "SELF-DIAG [PAST]".
6. Touch "BACK" key of CONSULT-III to return to User mode from Diagnosis mode.
7. Turn ignition switch OFF and then turn off and disconnect CONSULT-III.
8. Go to [SRC-11, "SRS Operation Check"](#).

DIAGNOSTIC PROCEDURE 4

Check SRS Repair History

1. CONSIDER POSSIBILITY THAT SELF-DIAGNOSTIC RESULT WAS NOT ERASED AFTER REPAIR

Check repair history of the SRS.

Have any previous repairs been made to the SRS?

- Yes >> Self-diagnostic result "SELF-DIAG [PAST]" (previously stored in the memory) might not be erased after repair. Perform DIAGNOSTIC PROCEDURE 3. Refer to [SRC-13, "Self-Diagnosis Function \(Without CONSULT-III\)"](#).
- No >> Perform DIAGNOSTIC PROCEDURE 2. Refer to [SRC-11, "SRS Operation Check"](#).

B1049 - B1052 DRIVER AIR BAG MODULE

< COMPONENT DIAGNOSIS >

COMPONENT DIAGNOSIS

B1049 - B1052 DRIVER AIR BAG MODULE

Description

INFOID:0000000001396365

DTC B1049 – B1052 DRIVER AIRBAG MODULE

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

PART LOCATION

Refer to [SRC-7, "SRS Component Parts Location"](#).

DTC Logic

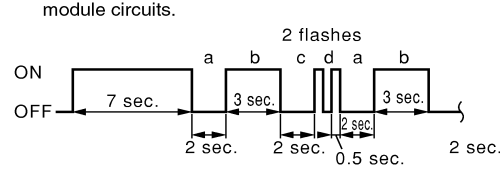
INFOID:0000000001396366

DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
DRIVER AIRBAG MODULE [OPEN]	B1049	Driver air bag module circuit (DR1) is open (including the spiral cable).	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the driver air bag module. 4. Replace the spiral cable. 5. Replace the air bag diagnosis sensor unit. 6. Replace the related harness.
DRIVER AIRBAG MODULE [VB-SHORT]	B1050	Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE [GND-SHORT]	B1051	Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE [SHORT]	B1052	Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).	

Without CONSULT-III

<Driver air bag module>	
Flash pattern	Repair order
a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuits.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the spiral cable. 4. Replace driver air bag module. 5. Replace the air bag diagnosis sensor unit. 6. Replace the related harness.
	

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DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.CONCONSULT-III

Select "DIAG MODE".

>> GO TO 3

B1049 - B1052 DRIVER AIR BAG MODULE

< COMPONENT DIAGNOSIS >

3.DTC

If DTC is detected. Refer to [SRC-16, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> **END**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5.

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6.

6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-13, "Trouble Diagnosis without CONSULT-III"](#).

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:0000000001396367

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

B1049 - B1052 DRIVER AIR BAG MODULE

< COMPONENT DIAGNOSIS >

3.DRIVER AIR BAG MODULE

Replace the driver air bag module. Refer to [SR-4. "Removal and Installation"](#).

>> GO TO 4

4.SPIRAL CABLE

Replace the spiral cable. Refer to [SR-7. "Removal and Installation"](#).

>> GO TO 5

5.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to [SR-15. "Removal and Installation"](#).

>> GO TO 6

6.RELATED HARNESS

Replace the related harness.

>> **END**

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SRC

B1065 - B1068 PASSENGER AIR BAG MODULE

< COMPONENT DIAGNOSIS >

B1065 - B1068 PASSENGER AIR BAG MODULE

Description

INFOID:000000001396368

DTC B1065 – B1068 PASSENGER AIR BAG MODULE

The passenger air bag module is single stage and wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor for opens and shorts in detected lines to the passenger air bag module.

PART LOCATION

Refer to [SRC-7, "SRS Component Parts Location"](#).

DTC Logic

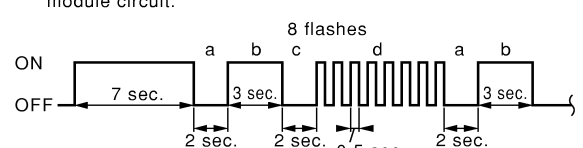
INFOID:000000001396369

DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
ASSIST A/B MODULE [OPEN]	B1065	Front passenger air bag module circuit (AS1) is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front passenger air bag module. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
ASSIST A/B MODULE [VB-SHORT]	B1066	Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.	
ASSIST A/B MODULE [GND-SHORT]	B1067	Front passenger air bag module circuit (AS1) is shorted to ground.	
ASSIST A/B MODULE [SHORT]	B1068	Front passenger air bag module circuits (AS1) are shorted to each other.	

Without CONSULT-III

<Front passenger air bag module>	
Flash pattern	Repair order
a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front passenger air bag module. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

WHIA0261E

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.CONCONSULT-III

Select "DIAG MODE".

>> GO TO 3

3.DTC

If DTC is detected. Refer to [SRC-19, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> END

B1065 - B1068 PASSENGER AIR BAG MODULE

< COMPONENT DIAGNOSIS >

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-13, "Trouble Diagnosis without CONSULT-III"](#).

>> END

Diagnosis Procedure (Component diagnosis)

INFOID:0000000001396370

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3.FRONT PASSENGER AIR BAG MODULE

Replace the front passenger air bag module. Refer to [SR-9, "Removal and Installation"](#).

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

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B1065 - B1068 PASSENGER AIR BAG MODULE

< COMPONENT DIAGNOSIS >

Replace the air bag diagnosis sensor unit. Refer to [SR-15. "Removal and Installation"](#).

>> GO TO 5

5. RELATED HARNESS

Replace the related harness.

>> **END**

B1134 – B1137 SIDE AIRBAG MODULE LH

< COMPONENT DIAGNOSIS >

B1134 – B1137 SIDE AIRBAG MODULE LH

Description

INFOID:0000000001396371

DTC B1134 – B1137 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-7, "SRS Component Parts Location"](#).

DTC Logic

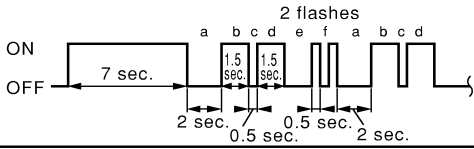
INFOID:0000000001396372

DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
SIDE MODULE LH [OPEN]	B1134	Front LH side air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front LH seat back assembly. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
SIDE MODULE LH [VB-SHORT]	B1135	Front LH side air bag module circuit is shorted to a power supply circuit.	
SIDE MODULE LH [GND-SHORT]	B1136	Front LH side air bag module circuit is shorted to ground.	
SIDE MODULE LH [SHORT]	B1137	Front LH side air bag module circuits are shorted to each other.	

Without CONSULT-III

<Front LH side air bag module>	
Flash pattern	Repair order
a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front LH seat back assembly. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
	

WHIA0265E

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.CONSULT-III

Select "DIAG MODE".

>> GO TO 3

3.DTC

If DTC is detected. Refer to [SRC-22, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> END

B1134 – B1137 SIDE AIRBAG MODULE LH

< COMPONENT DIAGNOSIS >

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-13, "Trouble Diagnosis without CONSULT-III"](#).

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:0000000001396373

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3.FRONT LH SIDE AIR BAG MODULE

Replace the front LH seat back assembly. Refer to [SE-14, "Removal and Installation"](#).

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

B1134 – B1137 SIDE AIRBAG MODULE LH

< COMPONENT DIAGNOSIS >

Replace the air bag diagnosis sensor unit. Refer to [SR-15. "Removal and Installation"](#).

>> GO TO 5

5. RELATED HARNESS

Replace the related harness.

>> END

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B1129 – B1132 SIDE AIRBAG MODULE RH

< COMPONENT DIAGNOSIS >

B1129 – B1132 SIDE AIRBAG MODULE RH

Description

INFOID:000000001396374

DTC B1129 – B1132 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-7, "SRS Component Parts Location"](#).

DTC Logic

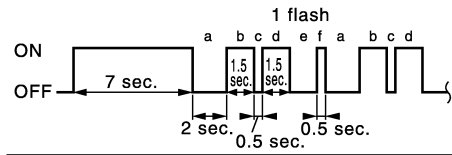
INFOID:000000001396375

DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
SIDE MODULE RH [OPEN]	B1129	Front RH side air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front RH seat back assembly. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
SIDE MODULE RH [VB-SHORT]	B1130	Front RH side air bag module circuit is shorted to a power supply circuit.	
SIDE MODULE RH [GND-SHORT]	B1131	Front RH side air bag module circuit is shorted to ground.	
SIDE MODULE RH [SHORT]	B1132	Front RH side air bag module circuits are shorted to each other.	

Without CONSULT-III

<Front RH side air bag module>	
Flash pattern	Repair order
a through f are repeated. f: One flash indicate malfunctioning front RH side air bag module circuit. 	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front RH seat back assembly. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

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DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.CONCONSULT-III

Select "DIAG MODE".

>> GO TO 3

3.DTC

If DTC is detected. Refer to [SRC-25, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> END

B1129 – B1132 SIDE AIRBAG MODULE RH

< COMPONENT DIAGNOSIS >

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-13, "Trouble Diagnosis without CONSULT-III"](#).

>> END

Diagnosis Procedure (Component diagnosis)

INFOID:000000001396376

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3.FRONT RH SIDE AIR BAG MODULE

Replace the front RH seat back assembly. Refer to [SE-14, "Removal and Installation"](#).

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

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B1129 – B1132 SIDE AIRBAG MODULE RH

< COMPONENT DIAGNOSIS >

Replace the air bag diagnosis sensor unit. Refer to [SR-15. "Removal and Installation"](#).

>> GO TO 5

5. RELATED HARNESS

Replace the related harness.

>> **END**

B1150 – B1153 SIDE CURTAIN AIR BAG MODULE LH

< COMPONENT DIAGNOSIS >

B1150 – B1153 SIDE CURTAIN AIR BAG MODULE LH

Description

INFOID:000000001396377

DTC B1150 – B1153 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-7, "SRS Component Parts Location"](#).

DTC Logic

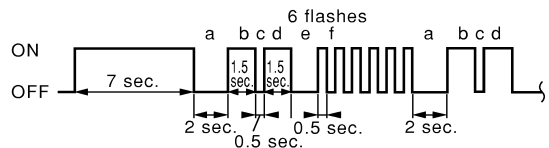
INFOID:000000001396378

DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
CURTAIN MODULE LH [OPEN]	B1150	LH side curtain air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side curtain air bag module. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
CURTAIN MODULE LH [VB-SHORT]	B1151	LH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN MODULE LH [GND-SHORT]	B1152	LH side curtain air bag module circuit is shorted to ground.	
CURTAIN MODULE LH [SHORT]	B1153	LH side curtain air bag module circuits are shorted to each other.	

Without CONSULT-III

<LH side curtain air bag module>	
Flash pattern	Repair order
a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace LH side curtain air bag module. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
	

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DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.CONCONSULT-III

Select "DIAG MODE".

>> GO TO 3

3.DTC

If DTC is detected. Refer to [SRC-28, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> END

B1150 – B1153 SIDE CURTAIN AIR BAG MODULE LH

< COMPONENT DIAGNOSIS >

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-13, "Trouble Diagnosis without CONSULT-III"](#).

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:0000000001396379

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3.LH SIDE CURTAIN AIR BAG MODULE

Replace the LH side curtain air bag module. Refer to [SR-10, "Removal and Installation"](#).

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

B1150 – B1153 SIDE CURTAIN AIR BAG MODULE LH

< COMPONENT DIAGNOSIS >

Replace the air bag diagnosis sensor unit. [SR-15. "Removal and Installation"](#).

>> GO TO 5

5. RELATED HARNESS

Replace the related harness.

>> END

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B1145 – B1148 SIDE CURTAIN AIR BAG MODULE RH

< COMPONENT DIAGNOSIS >

B1145 – B1148 SIDE CURTAIN AIR BAG MODULE RH

Description

INFOID:000000001396380

DTC B1145 – B1148 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-7, "SRS Component Parts Location"](#).

DTC Logic

INFOID:000000001396381

DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
CURTAIN MODULE RH [OPEN]	B1145	RH side curtain air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side curtain air bag module. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
CURTAIN MODULE RH [VB-SHORT]	B1146	RH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN MODULE RH [GND-SHORT]	B1147	RH side curtain air bag module circuit is shorted to ground.	
CURTAIN MODULE RH [SHORT]	B1148	RH side curtain air bag module circuits are shorted to each other.	

Without CONSULT-III

<RH side curtain air bag module>	
Flash pattern	Repair order
a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit. 5 flashes ON OFF 7 sec. 2 sec. 1.5 sec. 0.5 sec. 5 sec. 2 sec.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace RH side curtain air bag module. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

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DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.CONCONSULT-III

Select "DIAG MODE".

>> GO TO 3

3.DTC

If DTC is detected. Refer to [SRC-31, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> END

B1145 – B1148 SIDE CURTAIN AIR BAG MODULE RH

< COMPONENT DIAGNOSIS >

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-13, "Trouble Diagnosis without CONSULT-III"](#).

>> END

Diagnosis Procedure (Component diagnosis)

INFOID:000000001396382

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3.RH SIDE CURTAIN AIR BAG MODULE

Replace the RH side curtain air bag module. Refer to [SR-10, "Removal and Installation"](#).

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

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B1145 – B1148 SIDE CURTAIN AIR BAG MODULE RH

< COMPONENT DIAGNOSIS >

Replace the air bag diagnosis sensor unit. Refer to [SR-15. "Removal and Installation"](#).

>> GO TO 5

5. RELATED HARNESS

Replace the related harness.

>> **END**

B1086 – B1089 SEAT BELT PRE-TENSIONER LH

< COMPONENT DIAGNOSIS >

B1086 – B1089 SEAT BELT PRE-TENSIONER LH

Description

INFOID:000000001396383

DTC B1086 – B1089 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-7, "SRS Component Parts Location"](#).

DTC Logic

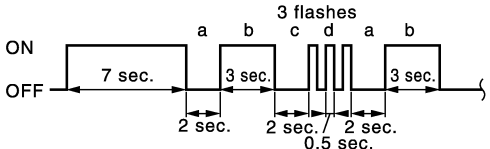
INFOID:000000001396384

DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
PRE-TEN FRONT LH [OPEN]	B1086	LH seat belt pre-tensioner circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front LH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
PRE-TEN FRONT LH [VB-SHORT]	B1087	LH seat belt pre-tensioner circuit is shorted to a power supply circuit.	
PRE-TEN FRONT LH [GND-SHORT]	B1088	LH seat belt pre-tensioner circuit is shorted to ground.	
PRE-TEN FRONT LH [SHORT]	B1089	LH seat belt pre-tensioner circuits are shorted to each other.	

Without CONSULT-III

<Front LH seat belt pre-tensioner>	
Flash pattern	Repair order
a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit. 	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace front LH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

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DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.CONCONSULT-III

Select "DIAG MODE".

>> GO TO 3

3.DTC

If DTC is detected. Refer to [SRC-34, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> END

B1086 – B1089 SEAT BELT PRE-TENSIONER LH

< COMPONENT DIAGNOSIS >

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-13, "Trouble Diagnosis without CONSULT-III"](#).

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:0000000001396385

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3.FRONT LH SEAT BELT PRE-TENSIONER

Replace the front LH seat belt pre-tensioner. Refer to [SR-14, "Removal and Installation"](#).

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

B1086 – B1089 SEAT BELT PRE-TENSIONER LH

< COMPONENT DIAGNOSIS >

Replace the air bag diagnosis sensor unit. Refer to [SR-15. "Removal and Installation"](#).

>> GO TO 5

5. RELATED HARNESS

Replace the related harness.

>> END

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B1182 - B1185 LAP SEAT BELT PRE-TENSIONER

< COMPONENT DIAGNOSIS >

B1182 - B1185 LAP SEAT BELT PRE-TENSIONER

Description

INFOID:000000001404240

DTC B1182 – B1185 LAP SEAT BELT PRE-TENSIONER

The lap seat belt pre-tensioner 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 lap seat belt pre-tensioner.

PART LOCATION

Refer to [SRC-7, "SRS Component Parts Location"](#).

DTC Logic

INFOID:000000001404241

DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
PRE-TEN2 FRONT LH [OPEN]	B1182	Lap seat belt pre-tensioner circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front lap seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
PRE-TEN2 FRONT LH [VB-SHORT]	B1183	Lap seat belt pre-tensioner circuit is shorted to a power supply circuit.	
PRE-TEN2 FRONT LH [GND-SHORT]	B1184	Lap seat belt pre-tensioner circuit is shorted to ground.	
PRE-TEN2 FRONT LH [SHORT]	B1185	Lap seat belt pre-tensioner circuits are shorted to each other.	

Without CONSULT-III

<Lap seat belt pre-tensioner>	
Flash pattern	Repair order
a through d are repeated. d:Thirteen flashes indicate malfunctioning lap seat belt pre-tensioner circuit. ON OFF 7 sec. 3 sec. 2 sec. 2 sec. 0.5 sec. 3 sec. 2 sec. a b c d a b 13 flashes	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the lap seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

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DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.CONCONSULT-III

Select "DIAG MODE".

>> GO TO 3

3.DTC

If DTC is detected. Refer to [SRC-37, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> END

B1182 - B1185 LAP SEAT BELT PRE-TENSIONER

< COMPONENT DIAGNOSIS >

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-13, "Trouble Diagnosis without CONSULT-III"](#).

>> END

Diagnosis Procedure (Component diagnosis)

INFOID:000000001404242

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3.LAP SEAT BELT PRE-TENSIONER

Replace the lap seat belt pre-tensioner. Refer to [SB-6, "Removal and Installation of Front Seat Belt"](#).

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

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B1182 - B1185 LAP SEAT BELT PRE-TENSIONER

< COMPONENT DIAGNOSIS >

Replace the air bag diagnosis sensor unit. Refer to [SR-15. "Removal and Installation"](#).

>> GO TO 5

5. RELATED HARNESS

Replace the related harness.

>> **END**

B1081 – B1084 SEAT BELT PRE-TENSIONER RH

< COMPONENT DIAGNOSIS >

B1081 – B1084 SEAT BELT PRE-TENSIONER RH

Description

INFOID:000000001396386

DTC B1081 – B1084 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-7, "SRS Component Parts Location"](#).

DTC Logic

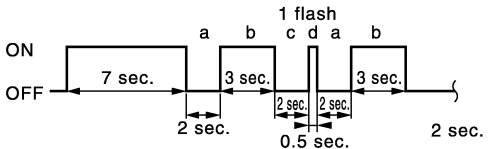
INFOID:000000001396387

DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
PRE-TEN FRONT RH [OPEN]	B1081	RH seat belt pre-tensioner circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front RH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
PRE-TEN FRONT RH [VB-SHORT]	B1082	RH seat belt pre-tensioner circuit is shorted to a power supply circuit.	
PRE-TEN FRONT RH [GND-SHORT]	B1083	RH seat belt pre-tensioner circuit is shorted to ground.	
PRE-TEN FRONT RH [SHORT]	B1084	RH seat belt pre-tensioner circuits are shorted to each other.	

Without CONSULT-III

<Front RH seat belt pre-tensioner>	
Flash pattern	Repair order
a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit. 	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace front RH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

WHIA0262E

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.CONCONSULT-III

Select "DIAG MODE".

>> GO TO 3

3.DTC

If DTC is detected. Refer to [SRC-40, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> END

B1081 – B1084 SEAT BELT PRE-TENSIONER RH

< COMPONENT DIAGNOSIS >

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-13, "Trouble Diagnosis without CONSULT-III"](#).

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001396388

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3.FRONT RH SEAT BELT PRE-TENSIONER

Replace the front RH seat belt pre-tensioner. Refer to [SR-14, "Removal and Installation"](#).

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

B1081 – B1084 SEAT BELT PRE-TENSIONER RH

< COMPONENT DIAGNOSIS >

Replace the air bag diagnosis sensor unit. Refer to [SR-15. "Removal and Installation"](#).

>> GO TO 5

5. RELATED HARNESS

Replace the related harness.

>> **END**

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B1033 – B1035 CRASH ZONE SENSOR

< COMPONENT DIAGNOSIS >

B1033 – B1035 CRASH ZONE SENSOR

Description

INFOID:000000001396389

DTC B1033 – B1035 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-7, "SRS Component Parts Location"](#).

DTC Logic

INFOID:000000001396390

DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
CRASH ZONE SEN [UNIT FAIL]	B1033	Crash zone sensor has malfunctioned.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the crash zone sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
	B1034		
CRASH ZONE SEN [COMM FAIL]	B1035	Crash zone sensor communication error.	

Without CONSULT-III

<Crash zone sensor>	
Flash pattern	Repair order
a through d are repeated. d: Six flashes indicate malfunctioning crash zone sensor circuit. ON OFF 7 sec. 3 sec. 2 sec. 2 sec. 0.5 sec. 2 sec. a b c d a b	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the crash zone sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

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DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.CONCONSULT-III

Select "DIAG MODE".

>> GO TO 3

3.DTC

If DTC is detected. Refer to [SRC-43, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> **END**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

B1033 – B1035 CRASH ZONE SENSOR

< COMPONENT DIAGNOSIS >

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-13, "Trouble Diagnosis without CONSULT-III"](#).

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:0000000001396391

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3.CRASH ZONE SENSOR

Replace the crash zone sensor.

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to [SR-15, "Removal and Installation"](#).

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B1033 – B1035 CRASH ZONE SENSOR

< COMPONENT DIAGNOSIS >

>> GO TO 5

5.RELATED HARNESS

Replace the related harness.

>> **END**

< COMPONENT DIAGNOSIS >

B1118 – B1120 SATELLITE SENSOR LH

Description

INFOID:0000000001396392

DTC B1118 – B1120 SATELLITE SENSOR LH

The satellite sensor LH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the satellite sensor LH for internal failures and it's circuits for communication errors.

PART LOCATION

Refer to SRC-7, "SRS Component Parts Location".

DTC Logic

INFOID:0000000001396393

DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
SATELLITE SENS LH [UNIT FAIL]	B1118	LH side air bag satellite sensor has mal-functioned.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag satellite sensor.
	B1119		
SATELLITE SENS LH [COMM FAIL]	B1120	LH side air bag satellite sensor communication error.	4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

Without CONSULT-III

SRC

<LH side air bag (Satellite) sensor>	
Flash pattern a through f are repeated. f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor.	Repair order 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag (Satellite) sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

WHIA0204E

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

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>> GO TO 2
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2. CONSULT-III

Select "DIAG MODE".

>> GO TO 3

3.DTC

If DTC is detected. Refer to [SRC-46, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> END

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

B1118 – B1120 SATELLITE SENSOR LH

< COMPONENT DIAGNOSIS >

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-13, "Trouble Diagnosis without CONSULT-III"](#).

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:0000000001396394

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3.LH SIDE AIR BAG SATELLITE SENSOR

Replace the LH side air bag satellite sensor. Refer to [SR-12, "Removal and Installation"](#).

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to [SR-15, "Removal and Installation"](#).

B1118 – B1120 SATELLITE SENSOR LH

< COMPONENT DIAGNOSIS >

>> GO TO 5

5. RELATED HARNESS

Replace the related harness.

>> **END**

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B1113 – B1115 SATELLITE SENSOR RH

< COMPONENT DIAGNOSIS >

B1113 – B1115 SATELLITE SENSOR RH

Description

INFOID:000000001396395

DTC B1113 – B1115 SATELLITE SENSOR RH

The satellite sensor RH is wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the satellite sensor RH for internal failures and it's circuits for communication errors.

PART LOCATION

Refer to [SRC-7, "SRS Component Parts Location"](#).

DTC Logic

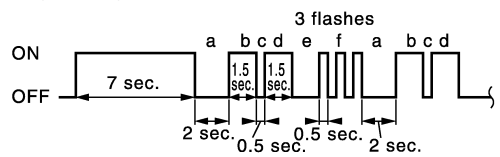
INFOID:000000001396396

DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
SATELLITE SENS RH [UNIT FAIL]	B1113	RH side air bag satellite sensor has mal- functioned.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag satellite sensor.
	B1114		
SATELLITE SENS RH [COMM FAIL]	B1115	RH side air bag satellite sensor communi- cation error.	4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

Without CONSULT-III

<RH side air bag (Satellite) sensor>	
Flash pattern	Repair order
a through f are repeated. f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag (Satellite) sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
	

WHIA0203E

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.CONCONSULT-III

Select "DIAG MODE".

>> GO TO 3

3.DTC

If DTC is detected. Refer to [SRC-49, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> **END**

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

B1113 – B1115 SATELLITE SENSOR RH

< COMPONENT DIAGNOSIS >

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-13, "Trouble Diagnosis without CONSULT-III"](#).

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001396397

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3.RH SIDE AIR BAG SATELLITE SENSOR

Replace the RH side air bag satellite sensor. Refer to [SR-12, "Removal and Installation"](#).

>> GO TO 4

4.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to [SR-15, "Removal and Installation"](#).

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B1113 – B1115 SATELLITE SENSOR RH

< COMPONENT DIAGNOSIS >

>> GO TO 5

5.RELATED HARNESS

Replace the related harness.

>> **END**

B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

Description

INFOID:000000001396398

DTC B1XXX 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 B1XXX format, but will not match any other SRS diagnostic trouble codes. Refer to [SRC-76, "Trouble Diagnosis with CONSULT-III"](#).

PART LOCATION

Refer to [SRC-7, "SRS Component Parts Location"](#).

DTC Logic

INFOID:000000001396399

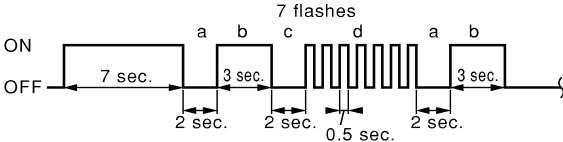
DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
CONTROL UNIT	B1XXX	Air bag diagnosis sensor unit is malfunctioning.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the related harness.

Without CONSULT-III

SRC

<Air bag diagnosis sensor unit>	
Flash pattern	Repair order
a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the related harness.
	

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DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.CONCONSULT-III

Select "DIAG MODE".

>> GO TO 3

3.DTC

If DTC is detected. Refer to [SRC-52, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> END

DTC CONFIRMATION PROCEDURE (Without CONSULT-III)

NOTE:

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

B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.IGNITION SWITCH

After air bag warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.

>> GO TO 3

3.WAIT TIME

Wait more than 3 seconds.

>> GO TO 4

4.REPEAT STEPS

Repeat steps 1 to 3 twice.

>> GO TO 5

5.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 6

6.DIAGNOSTIC MODE

SRS system is now in diagnostic mode and AIR BAG warning lamp flashes. Refer to [SRC-13, "Trouble Diagnosis without CONSULT-III"](#).

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:0000000001396400

Recheck SRS after each replacement.

1.HARNESS CONNECTOR

Is there any visible damage to the connector?

YES or NO

YES >> Replace the harness.

NO >> GO TO 2

2.WIRING HARNESS

Is there any visible damage to the harness?

YES or NO

YES >> Replace the harness.

NO >> GO TO 3

3.AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to [SR-15, "Removal and Installation"](#).

>> GO TO 4

4.RELATED HARNESS

Replace the related harness.

B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

< COMPONENT DIAGNOSIS >

>> END

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B1209 – B1210 COLLISION DETECTION

< COMPONENT DIAGNOSIS >

B1209 – B1210 COLLISION DETECTION

Description

INFOID:000000001396407

DTC B1209 - B1210 COLLISION DETECTION

The air bag diagnosis sensor unit will set this DTC if it has detected a collision which has resulted in a frontal or side 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-7, "SRS Component Parts Location"](#).

DTC Logic

INFOID:000000001396408

DTC DETECTION LOGIC

With CONSULT-III

CONSULT-III name	DTC	DTC detecting condition	Repair order
FRONTAL COLLISION DETECTION	B1209	Driver and/or front passenger air bag modules are deployed.	Refer to SR-23, "For Frontal Collision" .
SIDE COLLISION DETECTION	B1210	Side and/or curtain air bag modules are deployed.	Refer to SR-24, "For Side and Rollover Collision" .

DTC CONFIRMATION PROCEDURE (With CONSULT-III)

1.IGNITION SWITCH

Turn ignition switch ON.

>> GO TO 2

2.CONCONSULT-III

Select "DIAG MODE".

>> GO TO 3

3.DTC

If DTC is detected. Refer to [SRC-54, "Diagnosis Procedure \(Component diagnosis\)"](#).

>> **END**

Diagnosis Procedure (Component diagnosis)

INFOID:000000001396409

Refer to [SR-23, "For Frontal Collision"](#) or [SR-24, "For Side and Rollover Collision"](#).

SEAT BELT WARNING LAMP CONTROL UNIT

< COMPONENT DIAGNOSIS >

SEAT BELT WARNING LAMP CONTROL UNIT

Power Supply and Ground Circuit Check for Seat Belt Warning Lamp Control Unit

INFOID:000000001724689

1.CHECK FUSES

Check for blown fuses.

Unit	Power source	Fuse	Location
Seat belt warning lamp control unit	Battery	14	Fuse block (J/B)
	Ignition switch ON or START	2	

Are any fuses blown?

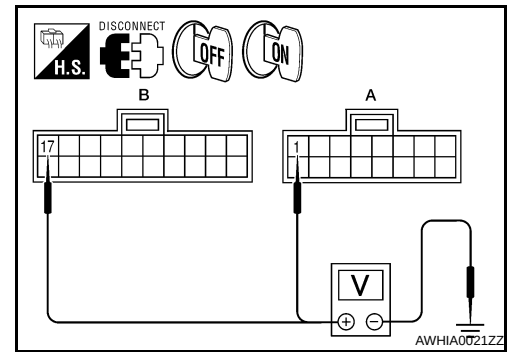
YES >> Install new fuse. Eliminate cause of malfunction if fuse blows again.

NO >> GO TO 2

2.POWER SUPPLY CIRCUIT CHECK

1. Disconnect the seat belt warning lamp control unit connectors B50 and B51.
2. Check voltage between seat belt warning lamp control unit harness connectors B50, B51 terminals 1, 17 and ground.

Terminals		Ignition switch position	
(+) (–)		OFF	ON
Connector	Terminal		
A: B50	1	Ground	Battery voltage
B: B51	17		Battery voltage



Are the inspection results normal?

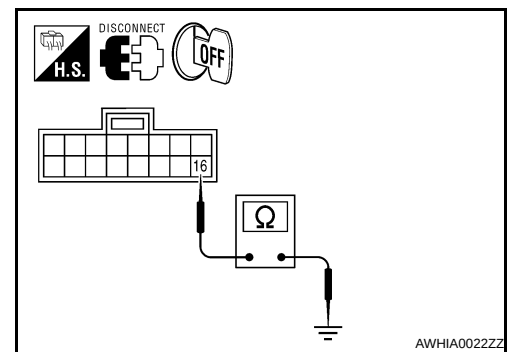
YES >> GO TO 3

NO >> Check harness for open between seat belt warning lamp control unit and fuse.

3.GROUND CIRCUIT CHECK

1. Turn ignition switch OFF.
2. Check continuity between seat belt warning lamp control unit harness connector B50 terminal 16 and ground.

Terminals			Continuity
(+)		(-)	
Connector	Terminal		
B50	16	Ground	Yes



Is the inspection result normal?

YES >> Inspection End.

NO >> Check harness for ground.

Seat Belt Buckle Switch Circuit Check

INFOID:000000001726677

1.CHECK SEAT BELT BUCKLE SWITCH SIGNAL

1. Turn ignition switch ON.
2. Fasten both seat belts.

SEAT BELT WARNING LAMP CONTROL UNIT

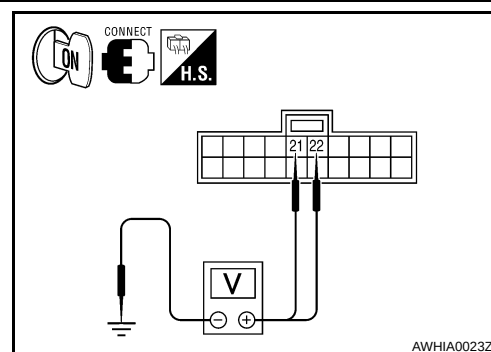
< COMPONENT DIAGNOSIS >

3. Check voltage between seat belt warning lamp control unit harness connector B51 terminals 21, 22 and ground.

Connector	Terminals	Voltage
B51	21 - Ground	Battery voltage
	22 - Ground	

Are inspection results normal?

- YES >> GO TO 2.
NO >> Replace seat belt warning lamp control unit.



2.CHECK HARNESS BETWEEN SEAT BELT WARNING LAMP CONTROL UNIT AND SEAT BELT BUCKLE SWITCH

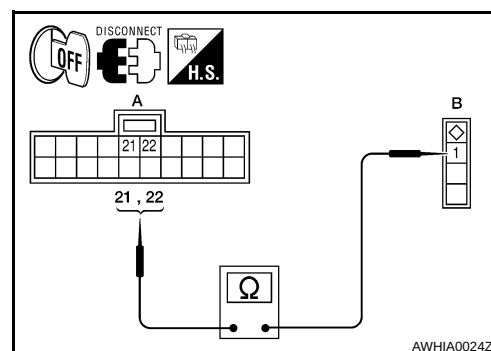
1. Turn ignition switch OFF.
2. Disconnect the seat belt warning lamp control unit harness connector and the seat belt buckle switch harness connector.
3. Check continuity between seat belt warning lamp control unit harness connector B51 (A) terminals 21, 22 and seat belt buckle switch harness connector B9, B10 (B) terminal 1.

Continuity should exist.

Also check harness for short to ground and short to power.

Are inspection results normal?

- YES >> GO TO 3.
NO >> Repair or replace damaged parts.



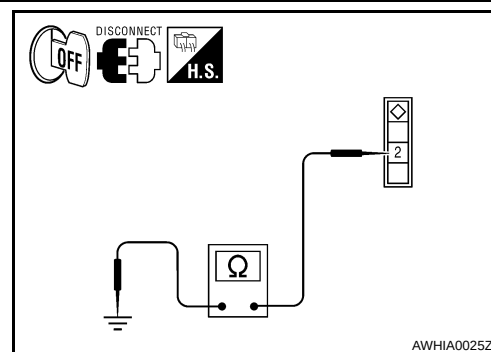
3.CHECK SEAT BELT BUCKLE SWITCH GROUND CIRCUIT

Check continuity between seat belt buckle switch harness connector B9, B10 terminal 2 and ground.

Continuity should exist.

Is inspection result normal?

- YES >> GO TO 4.
NO >> Repair open circuit in harness or connectors.



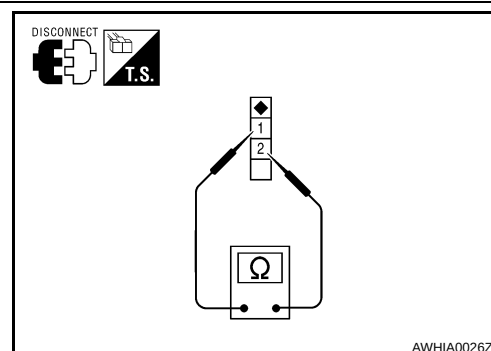
4.CHECK SEAT BELT BUCKLE SWITCH

Fasten and unfasten the seat belt buckle switch and check continuity between seat belt buckle switch terminals 1 and 2.

Terminal	Condition	Continuity
1 - 2	Fastened	No
	Unfastened	Yes

Are inspection results normal?

- YES >> GO TO 5.
NO >> Replace seat belt buckle switch. Refer to [SE-14](#), "Removal and Installation".



5.CHECK SEAT BELT WARNING LAMP CONTROL UNIT

Check seat belt warning lamp control unit input/output signals. Refer to [SRC-58](#), "Reference Value".

Are inspection results normal?

- YES >> Inspection End.

SEAT BELT WARNING LAMP CONTROL UNIT

< COMPONENT DIAGNOSIS >

NO >> Check seat belt warning lamp control unit pin terminals for damage or loose connections. If any items are damaged, repair or replace damaged parts. If not damaged, replace seat belt warning lamp control unit.

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DIAGNOSIS SENSOR UNIT

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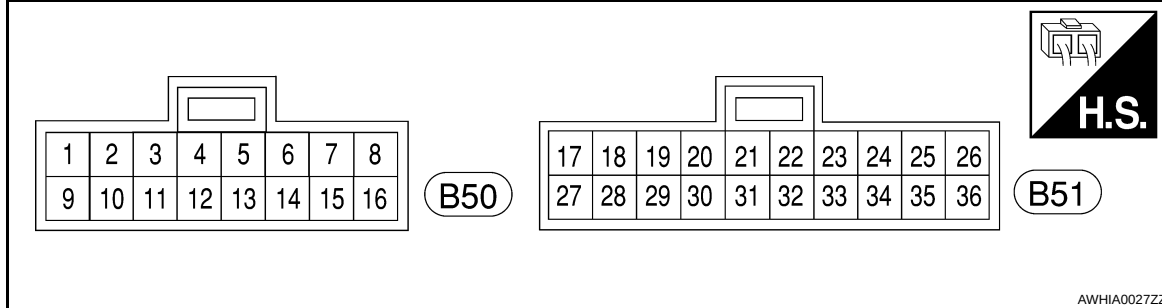
ECU DIAGNOSIS

DIAGNOSIS SENSOR UNIT

Reference Value

INFOID:000000001726678

SEAT BELT WARNING LAMP CONTROL UNIT HARNESS TERMINAL LAYOUT



TERMINALS AND REFERENCE VALUES FOR SEAT BELT WARNING LAMP CONTROL UNIT

Terminal (color)	Item	Condition		Reference value (V) (Approx.)
		Ignition switch	Operation	
1 (V)	Battery power	—	—	Battery voltage
8 (O)	Driver seat belt warning lamp output	ON	—	0
15 (BR)	Passenger seat belt warning lamp output	ON	—	0
16 (BR)	Ground	—	—	—
17 (O)	Ignition power	ON	—	Battery voltage
21 (O)	Driver seat belt buckle switch input	ON	Driver seat belt fastened	12
22 (LG)	Passenger seat belt buckle switch input	ON	Passenger seat belt fastened	12
36 (V)	Vehicle speed signal (2-pulse)	ON	Speedometer operated [When vehicle speed is approx. 40 km/h (25 MPH)]	NOTE: Maximum voltage may be 5V due to specifications (connected units). PKIC0642E

DIAGNOSIS SENSOR UNIT

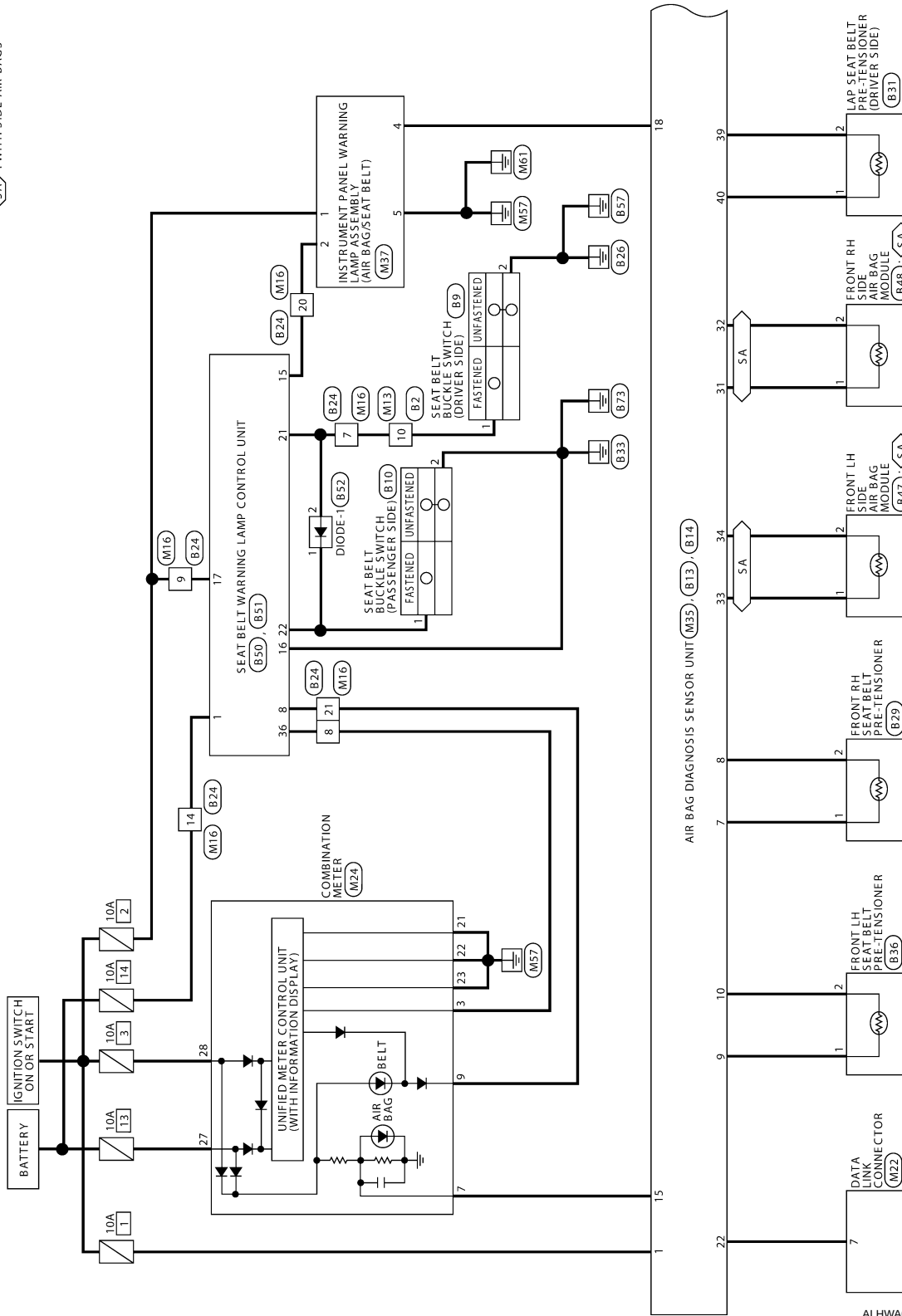
< ECU DIAGNOSIS >

Wiring Diagram — RHD Models —

INFOID:000000001396410

SRS AIR BAG CONTROL SYSTEM - RHD

SA : WITH SIDE AIR BAGS



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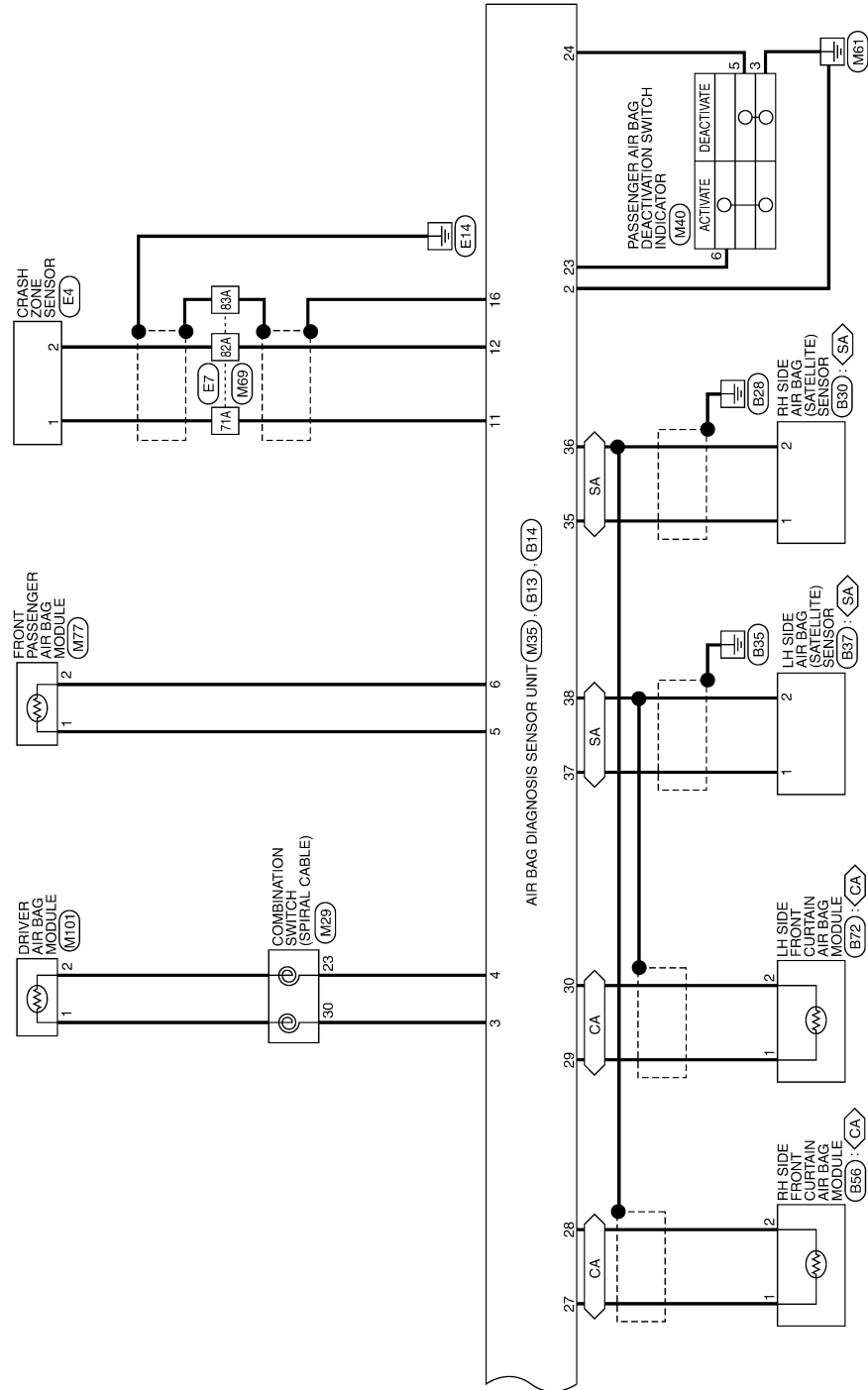
A
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SRC

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

CA : WITH SIDE CURTAIN AIR BAGS
SA : WITH SIDE AIR BAGS



ALHWA0009GE

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

SRS AIR BAG CONTROL SYSTEM - RHD

Connector No.	M13
Connector Name	WIRE TO WIRE
Connector Color	WHITE



12	11	10	9	8	7	6	5	4	3	2	1
24	23	22	21	20	19	18	17	16	15	14	13

Connector No.	M16
Connector Name	WIRE TO WIRE
Connector Color	WHITE



12	11	10	9	8	7	6	5	4	3	2	1
24	23	22	21	20	19	18	17	16	15	14	13

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



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

Terminal No.	Color of Wire	Signal Name
10	O	-

Terminal No.	Color of Wire	Signal Name
7	O	-
8	V	-
9	O	-
14	LG	-
20	BR	-
21	O	-

Terminal No.	Color of Wire	Signal Name
7	GR	K-LINE

Connector No.	M24
Connector Name	COMBINATION METER
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
3	V	2P/R
7	BR	A/BAG WARN
9	O	BELT DR
21	B	GND 1 (ILL)
22	B	GND2 (POWER)
23	B	GND3
27	G	BAT
28	SB	IGN

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



21	22	23
28	29	30

Terminal No.	Color of Wire	Signal Name
23	Y/B	-
30	Y	-

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

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



Terminal No.	Color of Wire	Signal Name
1	BR	IGN
2	B	GND
3	Y	INFLATOR DR+
4	Y/B	INFLATOR DR -
5	Y/G	INFLATOR AS+
6	Y/R	INFLATOR AS-



Terminal No.	Color of Wire	Signal Name
3	B	GND
5	W	OFF
6	GR	ON

Terminal No.	Color of Wire	Signal Name
11	O	ECZS+
12	W	ECZS-
15	BR	W/L
16	SHIELD	-
18	R	A/B CUTOFF W/L
22	R	K - LINE
23	GR	ACTIVATE
24	W	DEACTIVATE

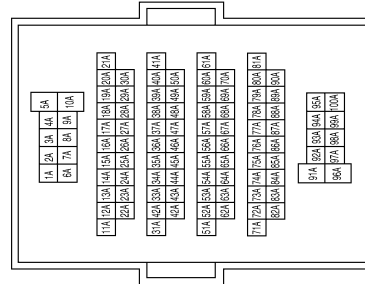


Terminal No.	Color of Wire	Signal Name
1	O	IGN
2	BR	REMINDER IND
4	R	A/B CUTOFF IND
5	B	GND

Connector No.	M40
Connector Name	PASSENGER AIR BAG DEACTIVATION SWITCH INDICATOR
Connector Color	BROWN



Connector No.	M69
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
71A	O	-
82A	W	-
83A	SHIELD	-

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< ECU DIAGNOSIS >



Terminal No.	Color of Wire	Signal Name
1	O	—
2	W	—

1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24

414	424	434	444	454	464	474	484	494	504	514
524	534	544	554	564	574	584	594	604	614	624
634	644	654	664	674	684	694	704	714	724	734

SRC

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

Connector No.	B9
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Color	WHITE



1	2	3
---	---	---

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

Connector No.	B10
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Color	WHITE



1	2	3
---	---	---

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

Connector No.	B13
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW



32	28	27	31
8		7	36 35

Terminal No.	Color of Wire	Signal Name
7	Y	ELR RH+
8	G	ELR RH-
27	G	INF CURTAIN RH+
28	R	INF CURTAIN RH-
31	Y/B	SIDE INF RH+
32	Y	SIDE INF RH-
35	BR	SIDE SENS RH+
36	Y	SIDE SENS RH-
39	R	ELR2 RH-
40	O	ELR2 RH+

Connector No.	B14
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW



33	29	30 34
44	37 38	9 43 10

Terminal No.	Color of Wire	Signal Name
9	Y	ELR LH+
10	G	ELR LH-
29	G	INF CURTAIN LH+
30	R	INF CURTAIN LH-
33	Y/B	SIDE INF LH+
34	Y	SIDE INF LH-
37	W	SIDE SENS LH+
38	B	SIDE SENS LH-

Connector No.	B24
Connector Name	WIRE TOWIRE
Connector Color	WHITE



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
5	L	-

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

Connector No.	B29
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW



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

Connector No.	B30
Connector Name	RH SIDE AIR BAG (SATELLITE SENSOR)
Connector Color	YELLOW



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

Connector No.	B31
Connector Name	LAP SEAT BELT PRE-TENSIONER (DRIVER SIDE)
Connector Color	ORANGE



Terminal No.	Color of Wire	Signal Name
1	O	-
2	R	-

Connector No.	B36
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW



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

Connector No.	B37
Connector Name	LH SIDE AIR BAG (SATELLITE SENSOR)
Connector Color	YELLOW



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

Connector No.	B47
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Color	YELLOW



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

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DIAGNOSIS SENSOR UNIT

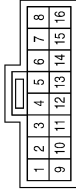
< ECU DIAGNOSIS >

Connector No.	B48
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Color	YELLOW



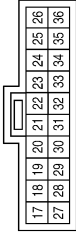
Terminal No.	Color of Wire	Signal Name
1	Y/B	–
2	Y	–

Connector No.	B50
Connector Name	SEAT BELT WARNING LAMP CONTROL UNIT
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	V	B+
8	O	DR BELT IND
15	BR	AS BELT IND
16	B	GND

Connector No.	B51
Connector Name	SEAT BELT WARNING LAMP CONTROL UNIT
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
17	O	IGN
21	O	BUCKLE SWITCH DR
22	LG	BUCKLE SW AS
36	V	2P/R

Connector No.	B52
Connector Name	DIODE-1
Connector Color	–



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

Connector No.	B56
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Color	YELLOW



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

Connector No.	B72
Connector Name	LH SIDE CURTAIN AIR BAG
Connector Color	YELLOW



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

ALHIA0087GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

NO
DATA

- A
- B
- C
- D
- E
- F
- G
- SRC
- I
- J
- K
- L
- M
- N
- O
- P

ALHIA0088GB

DIAGNOSIS SENSOR UNIT

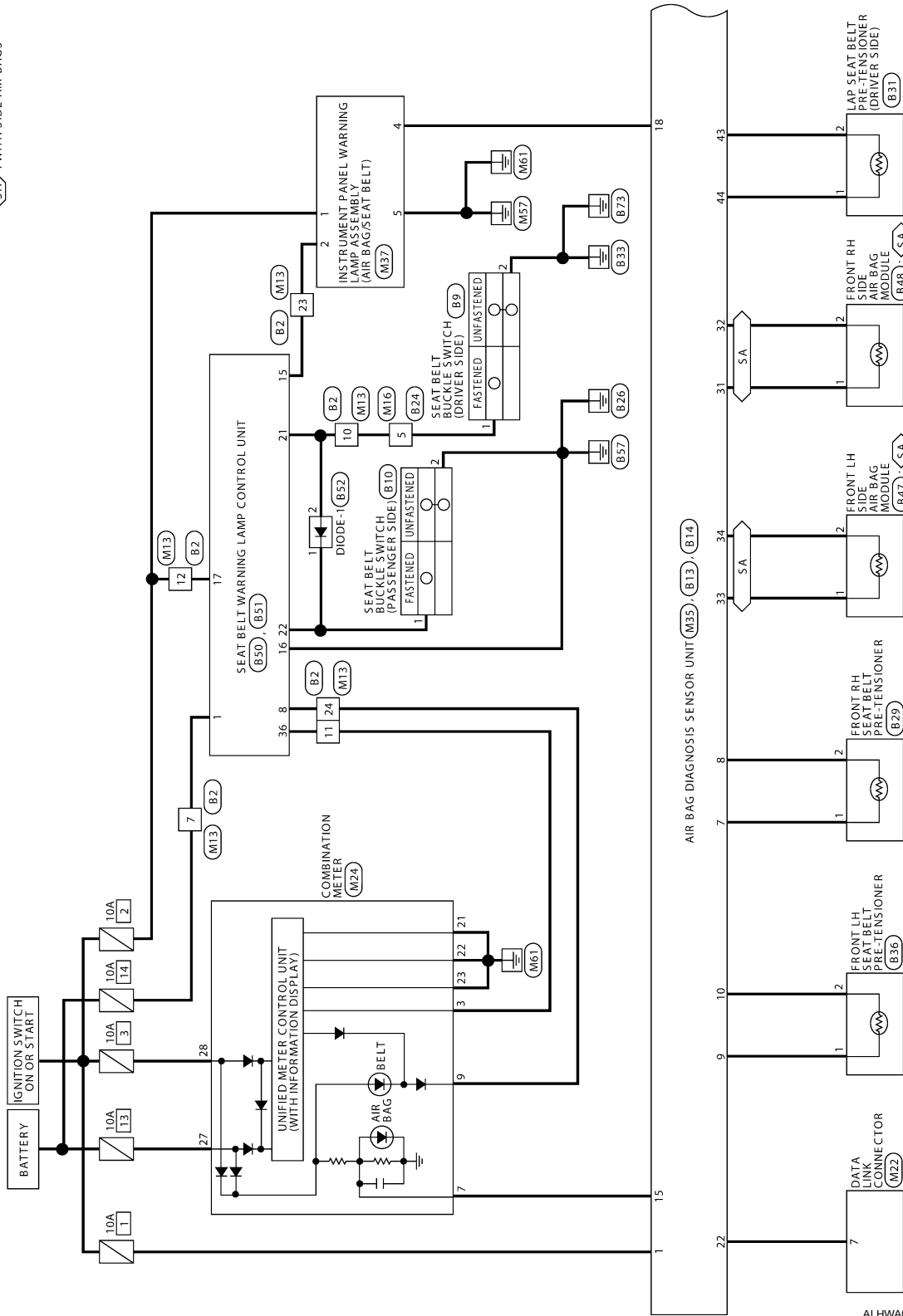
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Wiring Diagram — LHD Models —

INFOID:000000001572925

SRS AIR BAG CONTROL SYSTEM - LHD

SA : WITH SIDE AIR BAGS

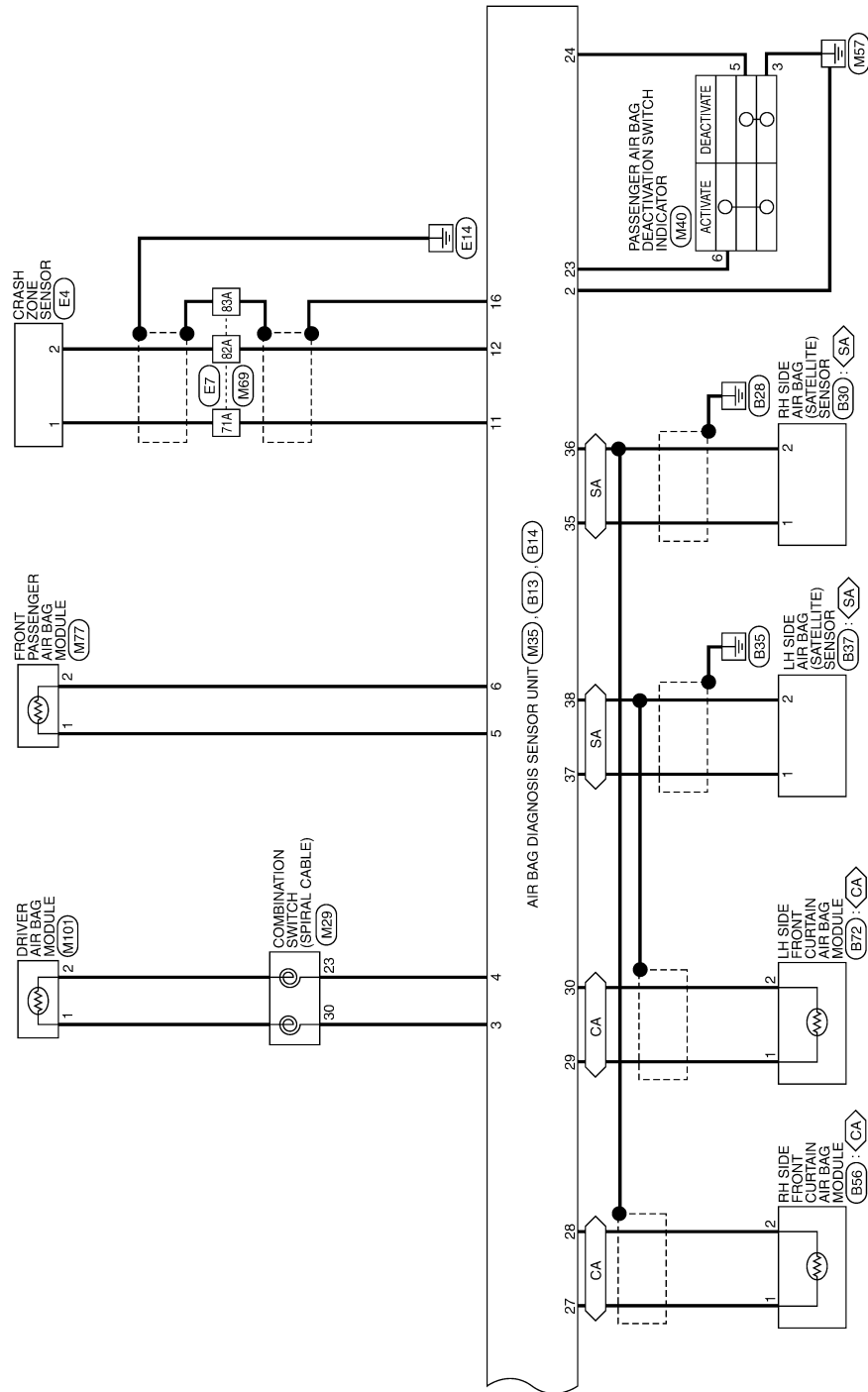


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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

CA : WITH SIDE CURTAIN AIR BAGS
SA : WITH SIDE AIR BAGS



ALHWA0011GE

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

SRS AIR BAG CONTROL SYSTEM - LHD

Connector No.	M13
Connector Name	WIRE TO WIRE
Connector Color	WHITE



12	11	10	9	8	7	6	5	4	3	2	1
24	23	22	21	20	19	18	17	16	15	14	13

Connector No.	M16
Connector Name	WIRE TO WIRE
Connector Color	WHITE



1	2	3	4	5	6
7	8	9	10	11	12

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



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

Terminal No.	Color of Wire	Signal Name
7	LG	-
10	O	-
11	V	-
12	O	-
23	BR	-
24	O	-

Terminal No.	Color of Wire	Signal Name
5	O	-

Terminal No.	Color of Wire	Signal Name
7	GR	K-LINE

Connector No.	M24
Connector Name	COMBINATION METER
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
3	V	2P/R
7	BR	A/BAG WARN
9	O	BELT DR
21	B	GND 1 (ILL)
22	B	GND2 (POWER)
23	B	GND3
27	G	BAT
28	SB	IGN

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



21	22	23
28	29	30

Terminal No.	Color of Wire	Signal Name
23	Y/B	-
30	Y	-

ALHIA0075GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

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



Terminal No.	Color of Wire	Signal Name
1	BR	IGN
2	B	GND
3	Y	INFLATOR DR+
4	Y/B	INFLATOR DR -
5	Y/G	INFLATOR AS+
6	Y/R	INFLATOR AS-



Terminal No.	Color of Wire	Signal Name
3	B	GND
5	W	OFF
6	GR	ON



Terminal No.	Color of Wire	Signal Name
11	O	ECZS+
12	W	ECZS-
15	BR	W/L
16	SHIELD	-
18	R	A/B CUTOFF W/L
22	R	K - LINE
23	GR	ACTIVATE
24	W	DEACTIVATE

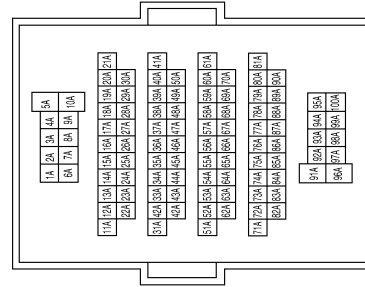


Terminal No.	Color of Wire	Signal Name
1	O	IGN
2	BR	REMINDER IND
4	R	A/B CUTOFF IND
5	B	GND

Connector No.	M40
Connector Name	PASSENGER AIR BAG DEACTIVATION SWITCH INDICATOR
Connector Color	BROWN



Connector No.	M69
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
71A	O	-
82A	W	-
83A	SHIELD	-

ALHIA0076GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

Connector No.	M77
Connector Name	PASSENGER AIR BAG MODULE
Connector Color	YELLOW



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

Connector No.	M101
Connector Name	DRIVER AIR BAG MODULE
Connector Color	YELLOW



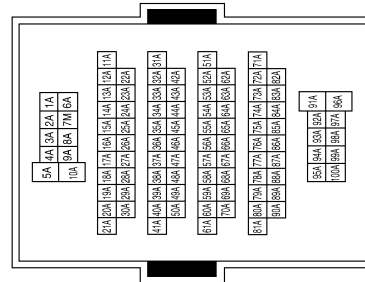
Terminal No.	Color of Wire	Signal Name
1	Y/B	-
2	Y	-

Connector No.	E4
Connector Name	CRASH ZONE SENSOR
Connector Color	YELLOW



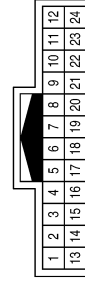
Terminal No.	Color of Wire	Signal Name
1	O	-
2	W	-

Connector No.	E7
Connector Name	WIRE TOWIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
71A	O	-
82A	W	-
83A	SHIELD	-

Connector No.	B2
Connector Name	WIRE TOWIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
7	V	-
10	O	-
11	V	-
12	O	-
23	BR	-
24	V	-

ALHIA0077GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

Connector No.	B9
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Color	WHITE



1	2	3
---	---	---

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

Connector No.	B10
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Color	WHITE



1	2	3
---	---	---

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

Connector No.	B13
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW



32	28	27	31
8	7	36	35

Terminal No.	Color of Wire	Signal Name
7	Y	ELR RH+
8	G	ELR RH-
27	G	INF CURTAIN RH+
28	R	INF CURTAIN RH-
31	Y/B	SIDE INF RH+
32	Y	SIDE INF RH-
35	BR	SIDE SENS RH+
36	Y	SIDE SENS RH-

Connector No.	B14
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Color	YELLOW



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Terminal No.	Color of Wire	Signal Name
9	Y	ELR LH+
10	G	ELR LH-
29	G	INF CURTAIN LH+
30	R	INF CURTAIN LH-
33	Y/B	SIDE INF LH+
34	Y	SIDE INF LH-
37	W	SIDE SENS LH+
38	B	SIDE SENS LH-
43	R	ELR2 LH-
44	O	ELR2 LH+

Connector No.	B24
Connector Name	WIRE TOWIRE
Connector Color	WHITE



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
5	O	-

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

Connector No.	B29
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW



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

Connector No.	B30
Connector Name	RH SIDE AIR BAG (SATELLITE SENSOR)
Connector Color	YELLOW



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

Connector No.	B31
Connector Name	LAP SEAT BELT PRE- TENSIONER (DRIVER SIDE)
Connector Color	ORANGE



Terminal No.	Color of Wire	Signal Name
1	O	-
2	R	-

Connector No.	B36
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Color	YELLOW



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

Connector No.	B37
Connector Name	LH SIDE AIR BAG (SATELLITE SENSOR)
Connector Color	YELLOW



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

Connector No.	B47
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Color	YELLOW



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

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DIAGNOSIS SENSOR UNIT

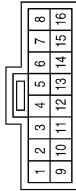
< ECU DIAGNOSIS >

Connector No.	B48
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Color	YELLOW



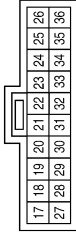
Terminal No.	Color of Wire	Signal Name
1	Y/B	—
2	Y	—

Connector No.	B50
Connector Name	SEAT BELT WARNING LAMP CONTROL UNIT
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	V	B+
8	O	DR BELT IND
15	BR	AS BELT IND
16	B	GND

Connector No.	B51
Connector Name	SEAT BELT WARNING LAMP CONTROL UNIT
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
17	O	IGN
21	O	BUCKLE SWITCH DR
22	LG	BUCKLE SW AS
36	V	2P/R

Connector No.	B52
Connector Name	DIODE-1
Connector Color	—



Connector No.	B56
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Color	YELLOW



Terminal No.	Color of Wire	Signal Name
1	LG	—
2	O	—

Connector No.	B72
Connector Name	LH SIDE CURTAIN AIR BAG
Connector Color	YELLOW



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

ALHIA0080GB

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

**NO
DATA**

ALHIA0081GB

INFOID:000000001396411

Trouble Diagnosis with CONSULT-III

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-III 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.

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

CONSULT-III name	DTC	DTC detecting condition	Repair order
DRIVER AIRBAG MODULE [OPEN]	B1049	Driver air bag module circuit (DR1) is open (including the spiral cable).	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the driver air bag module. 4. Replace the spiral cable. 5. Replace the air bag diagnosis sensor unit. 6. Replace the related harness.
DRIVER AIRBAG MODULE [VB-SHORT]	B1050	Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).	
DRIVER AIRBAG MODULE [GND-SHORT]	B1051	Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MODULE [SHORT]	B1052	Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).	
ASSIST A/B MODULE [OPEN]	B1065	Front passenger air bag module circuit (AS1) is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front passenger air bag module. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
ASSIST A/B MODULE [VB-SHORT]	B1066	Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.	
ASSIST A/B MODULE [GND-SHORT]	B1067	Front passenger air bag module circuit (AS1) is shorted to ground.	
ASSIST A/B MODULE [SHORT]	B1068	Front passenger air bag module circuits (AS1) are shorted to each other.	
SIDE MODULE LH [OPEN]	B1134	Front LH side air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front LH seat back assembly. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
SIDE MODULE LH [VB-SHORT]	B1135	Front LH side air bag module circuit is shorted to a power supply circuit.	
SIDE MODULE LH [GND-SHORT]	B1136	Front LH side air bag module circuit is shorted to ground.	
SIDE MODULE LH [SHORT]	B1137	Front LH side air bag module circuits are shorted to each other.	
SIDE MODULE RH [OPEN]	B1129	Front RH side air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front RH seat back assembly. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
SIDE MODULE RH [VB-SHORT]	B1130	Front RH side air bag module circuit is shorted to a power supply circuit.	
SIDE MODULE RH [GND-SHORT]	B1131	Front RH side air bag module circuit is shorted to ground.	
SIDE MODULE RH [SHORT]	B1132	Front RH side air bag module circuits are shorted to each other.	
CURTAIN MODULE LH [OPEN]	B1150	LH side curtain air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side curtain air bag module. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
CURTAIN MODULE LH [VB-SHORT]	B1151	LH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN MODULE LH [GND-SHORT]	B1152	LH side curtain air bag module circuit is shorted to ground.	
CURTAIN MODULE LH [SHORT]	B1153	LH side curtain air bag module circuits are shorted to each other.	
CURTAIN MODULE RH [OPEN]	B1145	RH side curtain air bag module circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side curtain air bag module. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
CURTAIN MODULE RH [VB-SHORT]	B1146	RH side curtain air bag module circuit is shorted to a power supply circuit.	
CURTAIN MODULE RH [GND-SHORT]	B1147	RH side curtain air bag module circuit is shorted to ground.	
CURTAIN MODULE RH [SHORT]	B1148	RH side curtain air bag module circuits are shorted to each other.	

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DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

CONSULT-III name	DTC	DTC detecting condition	Repair order
PRE-TEN FRONT LH [OPEN]	B1086	LH seat belt pre-tensioner circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front LH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
PRE-TEN FRONT LH [VB-SHORT]	B1087	LH seat belt pre-tensioner circuit is shorted to a power supply circuit.	
PRE-TEN FRONT LH [GND-SHORT]	B1088	LH seat belt pre-tensioner circuit is shorted to ground.	
PRE-TEN FRONT LH [SHORT]	B1089	LH seat belt pre-tensioner circuits are shorted to each other.	
PRE-TEN FRONT RH [OPEN]	B1081	RH seat belt pre-tensioner circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front RH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
PRE-TEN FRONT RH [VB-SHORT]	B1082	RH seat belt pre-tensioner circuit is shorted to a power supply circuit.	
PRE-TEN FRONT RH [GND-SHORT]	B1083	RH seat belt pre-tensioner circuit is shorted to ground.	
PRE-TEN FRONT RH [SHORT]	B1084	RH seat belt pre-tensioner circuits are shorted to each other.	
PRE-TEN2 FRONT LH [OPEN]	B1182	Lap seat belt pre-tensioner circuit is open.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the front lap seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
PRE-TEN2 FRONT LH [VB-SHORT]	B1183	Lap seat belt pre-tensioner circuit is shorted to a power supply circuit.	
PRE-TEN2 FRONT LH [GND-SHORT]	B1184	Lap seat belt pre-tensioner circuit is shorted to ground.	
PRE-TEN2 FRONT LH [SHORT]	B1185	Lap seat belt pre-tensioner circuits are shorted to each other.	
CRASH ZONE SEN [UNIT FAIL]	B1033	Crash zone sensor has malfunctioned.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the crash zone sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
	B1034		
CRASH ZONE SEN [COMM FAIL]	B1035	Crash zone sensor communication error.	4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
SATELLITE SENS LH [UNIT FAIL]	B1118	LH side air bag satellite sensor has malfunctioned.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag satellite sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
	B1119		
SATELLITE SENS LH [COMM FAIL]	B1120	LH side air bag satellite sensor communication error.	4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
SATELLITE SENS RH [UNIT FAIL]	B1113	RH side air bag satellite sensor has malfunctioned.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag satellite sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
	B1114		
SATELLITE SENS RH [COMM FAIL]	B1115	RH side air bag satellite sensor communication error.	4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
CONTROL UNIT	B1XXX	Air bag diagnosis sensor unit is malfunctioning.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the related harness.
FRONTAL COLLISION DETECTION	B1209	Driver and/or front passenger air bag modules are deployed.	Refer to SR-23, "For Frontal Collision" .
SIDE COLLISION DETECTION	B1210	Side and/or curtain air bag modules are deployed.	Refer to SR-24, "For Side and Rollover Collision" .

Trouble Diagnosis without CONSULT-III

INFOID:0000000001396412

WARNING LAMP FLASH CODE CHART

NOTE:

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

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

<Diagnosis results (previously stored in the memory) might not be erased after repair or intermittent malfunctions have been detected in the past.>	
Flash pattern	Repair order
a through b are repeated.	1. Go to DIAGNOSTIC PROCEDURES 2 and 3.

SHIA0026E

<Driver air bag module>	
Flash pattern	Repair order
a through d are repeated. d: Two flashes indicate malfunctioning driver air bag module circuits.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the spiral cable. 4. Replace driver air bag module. 5. Replace the air bag diagnosis sensor unit. 6. Replace the related harness.

WHIA0260E

<Air bag diagnosis sensor unit>	
Flash pattern	Repair order
a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit.	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the air bag diagnosis sensor unit. 4. Replace the related harness.

WHIA0198E

<Front passenger air bag module>	
Flash pattern	Repair order
a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front passenger air bag module. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

WHIA0261E

<Crash zone sensor>	
Flash pattern	Repair order
a through d are repeated. d: Six flashes indicate malfunctioning crash zone sensor circuit.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the crash zone sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

WHIA0200E

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

<Front RH seat belt pre-tensioner>	
Flash pattern	Repair order
a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace front RH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

WHIA0262E

<Front LH seat belt pre-tensioner>	
Flash pattern	Repair order
a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace front LH seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

WHIA0263E

<Lap seat belt pre-tensioner>	
Flash pattern	Repair order
a through d are repeated. d: Thirteen flashes indicate malfunctioning lap seat belt pre-tensioner circuit.	1. Visually check the wiring harness connections. 2. Replace the harness if it has visible damage. 3. Replace the lap seat belt pre-tensioner. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

ALHIA00706D

<RH side air bag (Satellite) sensor>	
Flash pattern	Repair order
a through f are repeated. f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the RH side air bag (Satellite) sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

WHIA0203E

<LH side air bag (Satellite) sensor>	
Flash pattern	Repair order
a through f are repeated. f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag (Satellite) sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

WHIA0204E

DIAGNOSIS SENSOR UNIT

< ECU DIAGNOSIS >

<Front RH side air bag module>	
Flash pattern	Repair order
a through f are repeated. f: One flash indicate malfunctioning front RH side air bag module circuit. 1 flash	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front RH seat back assembly. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
WHIA0264E	
<Front LH side air bag module>	
Flash pattern	Repair order
a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit. 2 flashes	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front LH seat back assembly. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
WHIA0265E	
<RH side curtain air bag module>	
Flash pattern	Repair order
a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit. 5 flashes	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace RH side curtain air bag module. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
WHIA0266E	
<LH side curtain air bag module>	
Flash pattern	Repair order
a through f are repeated. f: Six flashes indicate malfunctioning LH side curtain air bag module circuit. 6 flashes	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace LH side curtain air bag module. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.
WHIA0267E	

SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

SRS AIR BAG SYSTEM

Symptom Table

INFOID:000000001726679

Symptom	Reference
Air bag warning lamp does not turn ON.	SRC-82
Air bag warning lamp does not turn OFF.	SRC-82
Seat belt warning lamp does not turn ON.	SRC-83
Seat belt warning lamp does not turn OFF.	SRC-84

Air Bag Warning Lamp Does Not Turn On

INFOID:000000001396414

DIAGNOSTIC PROCEDURE 8

1.CHECK METER FUSE

Check the 10A fuses [No. 3 and No. 13, located in the fuse block (J/B)].

Are the fuses blown?

- Yes >> GO TO 2
- No >> GO TO 3

2.REPLACE METER FUSE AND CHECK AGAIN

Replace 10A fuse [No. 3 or No. 13 located in the fuse block (J/B)] and turn ignition switch ON.

Does the fuse blow again?

- Yes >> Replace harness.
- No >> Inspection End.

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

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

Do the harness or connectors have any visible damage?

- Yes >> Replace harness.
- No >> GO TO 4

4.CHECK COMBINATION METER

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

Does "AIR BAG" warning lamp turn on?

- Yes >> Replace the air bag diagnosis sensor unit. Refer to [SR-15, "Removal and Installation"](#).
- No >> Replace the combination meter. Refer to [MWI-94, "Removal and Installation"](#).

Air Bag Warning Lamp Does Not Turn Off

INFOID:000000001396413

DIAGNOSTIC PROCEDURE 7

1.CHECK CONDITION OF AIR BAG MODULE

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

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

- YES >> Refer to [SR-23, "For Frontal Collision"](#) or [SR-24, "For Side and Rollover Collision"](#).
- NO >> GO TO 2

2.CHECK THE AIR BAG FUSE

Check 10A fuse [No. 1, located in the fuse block (J/B)].

Is the fuse blown?

- Yes >> GO TO 3

SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

No >> GO TO 4

3.CHECK AIR BAG FUSE AGAIN

Replace 10A fuse [No. 1, located in the fuse block (J/B)] and turn ignition switch ON.

Does the fuse blow again?

YES >> Replace harness.

NO >> Inspection End.

4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Connect CONSULT-III.

Is "AIR BAG" displayed on CONSULT-III?

YES >> GO TO 5

NO >> Visually inspect the air bag diagnosis sensor unit harness connections. If the connections are OK, replace the air bag diagnosis sensor unit. Refer to [SR-15, "Removal and Installation"](#).

5.CHECK HARNESS CONNECTION

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

Are there any loose connections?

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

No >> Replace air bag diagnosis sensor unit.

Seat Belt Warning Lamp Does Not Turn On

INFOID:000000001726690

1.DETERMINE WHICH LAMP IS MALFUNCTIONING

Determine if at least one of the seat belt warning lamps function.

Does either the driver or passenger seat belt warning lamps operate?

Yes >> GO TO 2

No >> Refer to XXX SEAT BELT WARNING LAMP P&G TEST.

2.PERFORM BULB CHECK

Unfasten both seat belts and turn the ignition switch ON.

Does the malfunctioning side pass bulb check?

Yes >> GO TO 3

No >> Replace combination meter (Driver side) or check instrument panel warning lamp assembly. Refer to XXX. (SEE MWI)

3.PERFORM SEAT BELT BUCKLE SWITCH CIRCUIT CHECK

Test the seat belt buckle switch circuit on the affected side. Refer to XXX SEAT BELT BUCKLE SWITCH CIRCUIT CHECK.

Are the inspection results normal?

Yes >> GO TO 4 (Driver side) or GO TO 5 (Passenger side)

No >> Repair as necessary.

4.CHECK HARNESS BETWEEN SEAT BELT WARNING LAMP CONTROL UNIT AND COMBINATION METER

1. Turn ignition switch OFF.
2. Disconnect the seat belt warning lamp control unit harness connector and the combination meter connector.

SRS AIR BAG SYSTEM

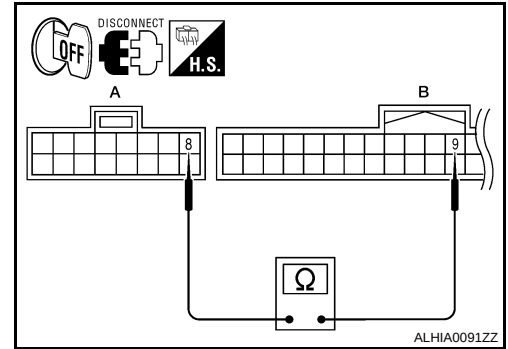
< SYMPTOM DIAGNOSIS >

3. Check continuity between seat belt warning lamp control unit harness connector B50 (A) terminal 8 and combination meter connector M24 (B) terminal 9.

Continuity should exist.

Are inspection results normal?

- YES >> Replace the seat belt warning lamp control unit. Refer to XXX.
- NO >> Repair circuit as necessary.



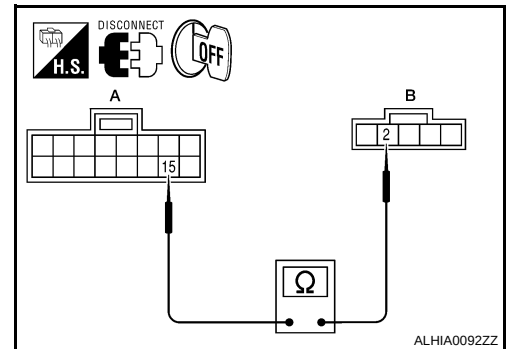
5. CHECK HARNESS BETWEEN SEAT BELT WARNING LAMP CONTROL UNIT AND INSTRUMENT PANEL WARNING LAMP ASSEMBLY

1. Turn ignition switch OFF.
2. Disconnect the seat belt warning lamp control unit harness connector and the instrument panel warning lamp assembly harness connector.
3. Check continuity between seat belt warning lamp control unit harness connector B50 (A) terminal 15 and instrument panel warning lamp assembly M37 (B) terminal 2.

Continuity should exist.

Are inspection results normal?

- YES >> Replace the seat belt warning lamp control unit.
- NO >> Repair circuit as necessary.



Seat Belt Warning Lamp Does Not Turn Off

INFOID:000000001726691

1. DETERMINE WHICH LAMP IS MALFUNCTIONING

Determine if at least one of the seat belt warning lamps function.

Does either the driver or passenger seat belt warning lamps turn off when the seat belt is buckled?

- Yes >> GO TO 3
- No >> GO TO 2.

2. CHECK VEHICLE SPEED SIGNAL

Check the vehicle speed signal at the seat belt warning lamp control unit. Refer to XXX REFERENCE VALUES.

Are the inspection results normal?

- Yes >> Replace the seat belt warning lamp control unit. Refer to XXX SEAT BELT WARNING LAMP CONTROL UNIT R&I.
- No >> Repair vehicle speed signal circuit.

3. PERFORM SEAT BELT BUCKLE SWITCH CIRCUIT CHECK

Test the seat belt buckle switch circuit on the affected side. Refer to XXX SEAT BELT BUCKLE SWITCH CIRCUIT CHECK.

Are the inspection results normal?

- Yes >> GO TO 4 (Driver side) or GO TO 5 (Passenger side)
- No >> Repair as necessary.

4. CHECK HARNESS BETWEEN SEAT BELT WARNING LAMP CONTROL UNIT AND COMBINATION METER FOR SHORT TO GROUND

1. Turn ignition switch OFF.
2. Disconnect the seat belt warning lamp control unit harness connector and the combination meter connector.

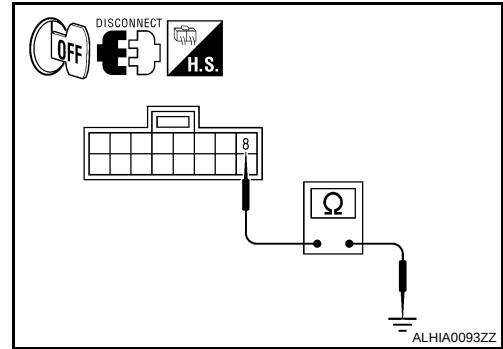
SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

3. Check for a short to ground on seat belt warning lamp control unit harness connector B50 terminal 8.

Are inspection results normal?

- YES >> Replace the seat belt warning lamp control unit. Refer to XXX.
- NO >> Repair circuit as necessary.

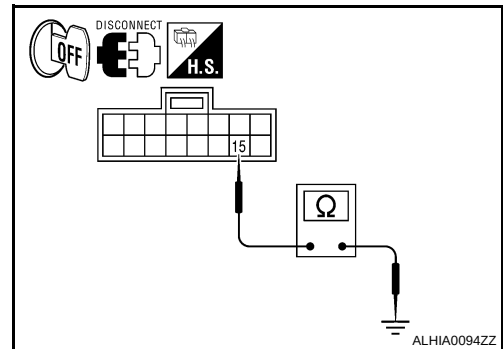


5. CHECK HARNESS BETWEEN SEAT BELT WARNING LAMP CONTROL UNIT AND INSTRUMENT PANEL WARNING LAMP ASSEMBLY FOR SHORT TO GROUND

1. Turn ignition switch OFF.
2. Disconnect the seat belt warning lamp control unit harness connector and the instrument panel warning lamp assembly harness connector.
3. Check for a short to ground on seat belt warning lamp control unit harness connector B50 terminal 15.

Are inspection results normal?

- YES >> Replace the seat belt warning lamp control unit.
- NO >> Repair circuit as necessary.



PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000001396424

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.**

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

INFOID:000000001396425

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