BASIC INSPECTION

SRS AIRBAG CONTROL SYSTEM

B1049 - B1052, B1054 - B1057 DRIVER AIR-

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DIAGNOSIS AND REPAIR WORK FLOW

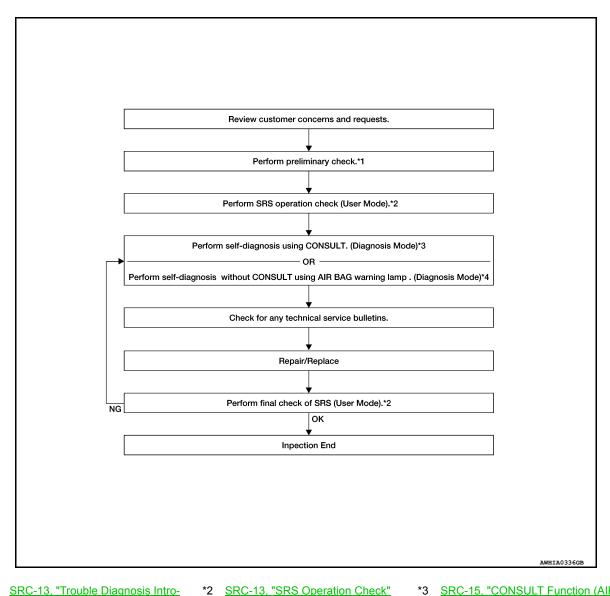
< BASIC INSPECTION >

BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow INFOID:0000000010711255 В

OVERALL SEQUENCE



- *1 SRC-13, "Trouble Diagnosis Intro-
- *4 SRC-15, "Self-Diagnosis Function (Without CONSULT)"
- *3 SRC-15, "CONSULT Function (AIR BAG)"

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-13, "Trouble Diagnosis Introduction".

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

>> GO TO 3.

3.USER MODE

Perform self-diagnosis using the "AIR BAG" warning lamp in User mode. Refer to <u>SRC-13, "SRS Operation Check"</u>.

>> GO TO 4.

4.SELF-DIAGNOSIS

Perform SELF-DIAGNOSIS. Refer to <u>SRC-15</u>, "<u>CONSULT Function (AIR BAG)</u>" (with CONSULT) or <u>SRC-15</u>, "<u>Self-Diagnosis Function (Without CONSULT)</u>" (without CONSULT).

>> GO TO 5.

5. TECHNICAL SERVICE BULLETINS

Check for technical service bulletins.

>> GO TO 6.

6.REPLACE PART

Replace the malfunctioning part.

>> GO TO 7.

7. FINAL CHECK

Check SRS using Diagnosis mode and User mode.

Does Diagnosis mode and User mode indicate SRS normal?

YES >> Inspection End.

NO >> GO TO 4.

INTERMITTENT INCIDENT

< BASIC INSPECTION >

INTERMITTENT INCIDENT

Inspection Procedure

INFOID:0000000010711256

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.

Trouble Diagnosis with CONSULT

INFOID:0000000010711257

DIAGNOSTIC PROCEDURE 4

Check SRS Repair History

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

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Check repair history of the SRS.

Have any previous repairs been made to the SRS?

S >> Self-diagnostic result "SELF-DIAG [PAST]" (previously stored in the memory) might not be erased after repair. Go to "DIAGNOSTIC PROCEDURE 3". Refer to <u>SRC-15, "Self-Diagnosis Function</u> (Without CONSULT)".

NO >> Go to "DIAGNOSTIC PROCEDURE 2". Refer to SRC-13, "SRS Operation Check".

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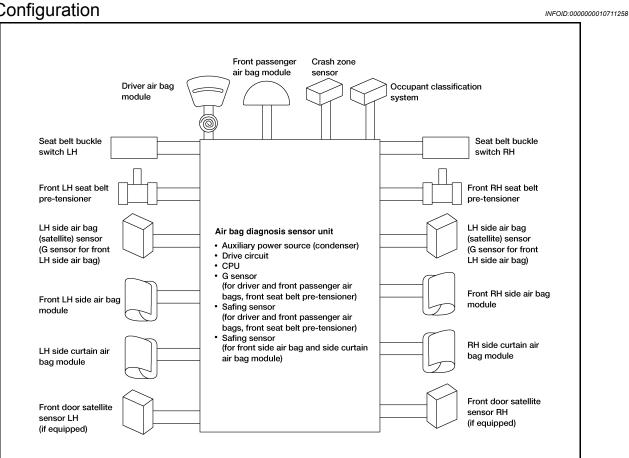
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SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

SRS Configuration



The air bag deploys if the air bag diagnosis sensor unit is activated while the ignition switch is in the ON or START position.

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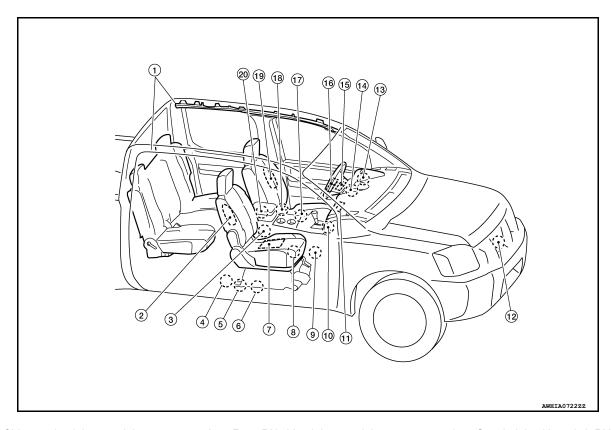
The collision modes for which supplemental restraint systems are activated are different among the SRS systems. For example, the driver air bag module, front passenger air bag module and front seat belt pre-tensioners are activated in a frontal collision but not in a side collision.

SRS configurations for some collision modes are as follows:

SRS configuration	Frontal collision	Left side collision	Right side collision	Rollover
Driver air bag module	Х	_	_	_
Front passenger air bag module	х	_	_	_
Front LH seat belt pre-tensioner	х	_	_	Х
Front RH seat belt pre-tensioner	х	_	_	Х
Front LH side air bag module	_	х	_	_
Front RH side air bag module	_	_	х	_
LH side curtain air bag module	_	х	_	Х
RH side curtain air bag module	_	_	Х	х

SRS Component Parts Location

INFOID:0000000010711259



- 1. Side curtain air bag modules
- 4. Front RH seat belt pre-tensioner
- 7. Occupant classification system sensor 8.
- 10. Front passenger air bag off indicator
- 13. Air bag warning lamp
- 16. Driver air bag module
- 19. Front LH side air bag module

- 2. Front RH side air bag module
- 5. Belt tension sensor
- 8. Occupant classification system control unit 9.
- 11. Front passenger air bag module
- 14. Front door satellite sensor LH (if equipped)
- 17. LH side air bag (satellite) sensor
- 20. Air bag diagnosis sensor unit

- Seat belt buckle switch RH
- 6. RH side air bag (satellite) sensor
- Front door satellite sensor RH (if equipped)
- 12. Crash zone sensor
 - 5. Spiral cable
- 18. Front LH seat belt pre-tensioner

Driver Air Bag Module

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



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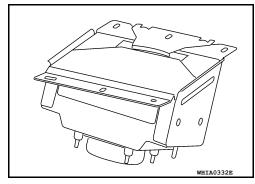
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Front Passenger Air Bag Module

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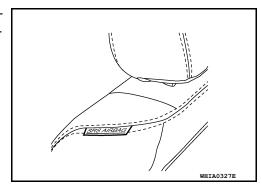
The front passenger air bag module is dual stage and located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to SRC-10, "Occupant Classification System (OCS)" for more information.



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Front Side Air Bag

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



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Side Curtain Air Bag

Side curtain air bag modules are located above the vehicle headlining. Vehicles with side curtain air bags are equipped with labels as shown.



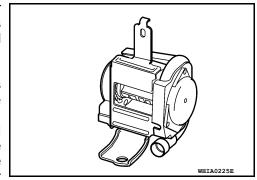
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Front Seat Belt Pre-tensioner with Load Limiter

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

When the frontal collision with an impact exceeding a specified level occurs, seat belt slack resulting from clothing or other factors is immediately taken up by the pre-tensioner. Vehicle passengers are securely restrained.

When passengers in a vehicle are thrown forward in a collision and the restraining force of the seat belt exceeds a specified level, the load limiter permits the specified extension of the seat belt by the twisting of the ELR shaft, and a relaxation of the chest-area seat belt web tension while maintaining force.



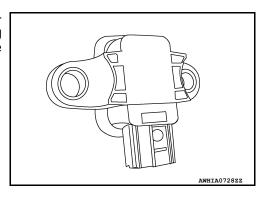
Revision: August 2014 SRC-8 2015 Frontier NAM

SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

Front Door Satellite Sensor

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



Direct-connect SRS Component Connectors

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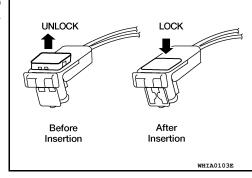
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The following SRS components use direct-connect style harness connectors.

- · Driver air bag module
- · Front passenger air bag module
- · LH side front curtain air bag module
- LH side rear curtain air bag module
- RH side front curtain air bag module
- · RH side rear curtain air bag module
- · Front LH seat belt pre-tensioner
- · Front RH seat belt pre-tensioner

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

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



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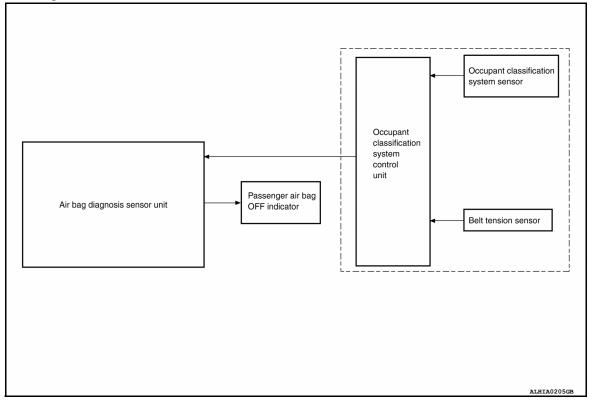
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OCCUPANT CLASSIFICATION SYSTEM

System Diagram

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Occupant Classification System (OCS)

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The occupant classification system (OCS) identifies different size occupants, out of position occupants, and detects if child seat is present in the front passenger seat. The OCS receives inputs from the occupant classification sensor (located inside the passenger seat cushion assembly) and belt tension sensor (part of the passenger front seat belt assembly and located at the belt anchor location). Depending on classification of the passenger, the OCS sends a signal to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit uses this signal and the seat belt buckle switch RH signal to determine deployment or non deployment of the passenger front air bag in the event of a collision. Depending on the signals received, the air bag diagnosis sensor unit can disable the passenger front air bag completely.

NOTE:

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

Passenger Air Bag Status Conditions

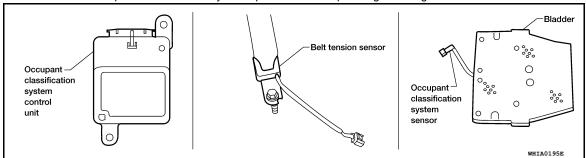
Front Passenger Seat (Condition)	PASS AIR BAG OFF Indicator (Status)	Passenger Air Bag Status (Readiness)	CONSULT Display
Seat occupied	OFF	Active (enabled)	ON
Seat occupied NOTE	ON	Deactivated (disabled)	OFF
Seat empty	OFF	Deactivated (disabled)	OFF

NOTE:

OCCUPANT CLASSIFICATION SYSTEM

< SYSTEM DESCRIPTION >

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



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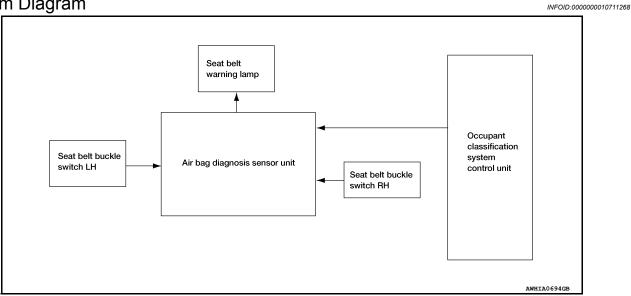
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PASSENGER SEAT BELT WARNING SYSTEM

< SYSTEM DESCRIPTION >

PASSENGER SEAT BELT WARNING SYSTEM

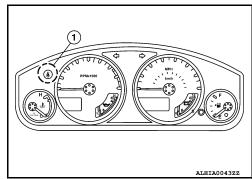
System Diagram



System Description

INFOID:0000000010711269

The passenger seat belt warning system will remind the driver if the driver or front passenger seat belt should be buckled by turning on the seat belt warning light (1). The system works in conjunction with the occupant classification system. Refer to SRC-10, "Occupant Classification System (OCS)".



Passenger Seat Belt Warning System Operation

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

Component Parts Location

INFOID:0000000010711270

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

< SYSTEM DESCRIPTION >

ON BOARD DIAGNOSTIC (OBD) SYSTEM

Trouble Diagnosis Introduction

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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 con-
- 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.

The User mode is exclusively prepared for the customer (driver). This mode warns the driver of a system malfunction through the operation of the "AIR BAG" warning lamp.

The Diagnosis mode allows the technician to locate and inspect the malfunctioning part.

The mode applications for the "AIR BAG" warning lamp and CONSULT are as follows:

	User mode	Diagnosis mode	Display type
"AIR BAG" warning lamp	X	X	ON-OFF operation
CONSULT	_	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:0000000010711272

DIAGNOSTIC PROCEDURE 1

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

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



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SRC-13 2015 Frontier NAM Revision: August 2014

< SYSTEM DESCRIPTION >

SRS Air bag warning lamp examples		
"AIR BAG" warning lamp (User mode)	SRS condition	Reference item
ON OFF 7 Sec.	 No malfunction is detected. No further action is necessary. 	_
ON OFF 7 Sec. 0.5 Sec. 0.5 Sec.	The system is malfunctioning and needs to be repaired as indicated.	Go to DIAGNOSTIC PROCEDURE 2 that follows (with CONSULT) or SRC-15, "Trouble Diagnosis without CONSULT".
	Air bag is deployed. Seat belt pre-tensioner is deployed.	Go to COLLISION DIAGNOSIS <u>SR-4</u> , "For Frontal Collision" or <u>SR-6</u> , "For Side and Rollover Collision".
ON OFF	 Air bag diagnosis sensor unit is malfunctioning. Air bag power supply circuit is malfunctioning. SRS air bag warning lamp circuit is malfunctioning. 	Go to SRC-88, ""AIR BAG" Warning Lamp Does Not Turn Off".
IGN ON ON OFF	 Air bag diagnosis sensor unit is malfunctioning. Air bag warning lamp circuit is malfunctioning. 	Go to SRC-88, ""AIR BAG" Warning Lamp Does Not Turn On".

DIAGNOSTIC PROCEDURE 2

- 1. Connect CONSULT.
- 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 <u>SRC-15, "Self-Diagnosis Function (Without CON-SULT)"</u>.

< SYSTEM DESCRIPTION >

Trouble Diagnosis without CONSULT

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DIAGNOSTIC PROCEDURE 6

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

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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.
- 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-60, "Trouble Diagnosis without CONSULT".

CONSULT Function (AIR BAG)

INFOID:0000000010711274

CONSULT 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 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 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 screen.
ECU DISCRIMINATED NO.	Air bag diagnosis sensor unit ECU discriminated number (identification number) or part number is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) or part number based on model and equipment.
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 occupant classification system control module and air bag diagnosis sensor unit. Refer to SRC-10 , "Occupant Classification System (OCS)" for more information.

Self-Diagnosis Function (Without CONSULT)

INFOID:0000000010711275

- 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.

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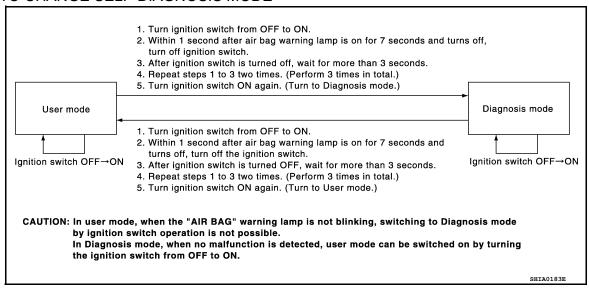
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< SYSTEM DESCRIPTION >

HOW TO CHANGE SELF-DIAGNOSIS MODE



DIAGNOSTIC PROCEDURE 3

Final Check of SRS Using CONSULT—Diagnosis Mode

- 1. Connect CONSULT.
- 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-13, "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. Touch "SELF-DIAG [PAST]".
- Check that no malfunction is detected on "SELF-DIAG [PAST]".
- 6. Touch "BACK" key of CONSULT to return to User mode from Diagnosis mode.
- 7. Turn ignition switch OFF and then turn off and disconnect CONSULT.
- 8. Go to SRC-13, "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-15, "Self-Diagnosis Function (Without CONSULT)".
- NO >> Perform DIAGNOSTIC PROCEDURE 2. Refer to SRC-13, "SRS Operation Check".

B1049 - B1052, B1054 - B1057 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

B1049 - B1052, B1054 - B1057 DRIVER AIRBAG MODULE

Description INFOID:0000000010711276

DTC B1049 - B1052, B1054 - B1057 DRIVER AIRBAG MODULE

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

PART LOCATION

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

DTC Logic Е INFOID:0000000010711277

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition		Repair order																	
DRIVER AIRBAG MODULE	B1049	Driver air bag module circuit (DR1) is open (including the spiral cable).	1. 2.	Visually check the wiring harness connection. Replace the harness if it has visible damage.																	
[OPEN]	B1054	Driver air bag module circuit (DR2) is open (including the spiral cable).	3. 4. 5.	Inspect the spiral cable circuit. Replace the air bag diagnosis sensor unit. Replace the driver air bag module.																	
DRIVER AIRBAG MODULE	Driver air bag module circuit (DR1) is B1050 shorted to a power supply circuit (including the project and a)				Replace the related harnes	6. Replace the related harnes	6. Replace the related harm	Replace the related harne							,						
[VB-SHORT]	B1055	Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).																			
DRIVER AIRBAG MODULE	B1051	Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).																			
[GND-SHORT]	B1056	Driver air bag module circuit (DR2) is shorted to ground (including the spiral cable).																			
DRIVER AIRBAG MODULE	B1052	Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).																			
[SHORT]	B1057	Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).																			

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-18, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

$\mathbf{2}.$ ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

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B1049 - B1052, B1054 - B1057 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

YES >> Inspection End.

NO >> Refer to <u>SRC-18</u>, "<u>Diagnosis Procedure</u>".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-15, "Self-Diagnosis Function (Without CONSULT)"</u>.
 NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-18</u>, "<u>Diagnosis Procedure</u>".

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000010711278

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- · Visible damage to connector or terminal
- Loose terminal
- · Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform

- >> Perform one of the following repairs:
 - Visible damage: Replace the harness.
 - · Loose terminal: Secure the terminal.
 - · Poor connection: Secure the connection.

2.CONFIRM DTC

- Reconnect all harness connectors.
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4. CHECK SPIRAL CABLE CIRCUIT

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

B1049 - B1052, B1054 - B1057 DRIVER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

Driver air	bag module	dule Spiral cable		Continuity
Connector	Terminal	Connector	Terminal	Continuity
M101	1		30	
WITOI	2	1400	23	Vac
M402	3	M29	28	Yes
M103	4		23	

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

Driver air I	oag module		Continuity
Connector	Terminal		Continuity
M101	1	Ground	
WITOT	2	- Ground	No
M103	3		INO
WITUS	4		

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace the spiral cable. Refer to <u>SR-13, "Removal and Installation"</u>.

CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 6.

NO >> Refer to GI-42, "Intermittent Incident".

6. AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.FRONT DRIVER AIR BAG MODULE

- Replace the Driver air bag module. Refer to <u>SR-11, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 8.

NO >> Clear DTC. Inspection End.

8. RELATED HARNESS

Revision: August 2014

Replace the related harness.

>> END

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B1065 - B1068, B1070 - B1073 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1065 - B1068, B1070 - B1073 PASSENGER AIRBAG MODULE

Description INFOID:000000010711279

DTC B1065 - B1068, B1070 - B1073 PASSENGER AIR BAG MODULE

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

PART LOCATION

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

DTC Logic

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition		Repair order
ASSIST A/B MODULE	B1065	Front passenger air bag module circuit (AS1) is open.	1. 2.	Visually check the wiring harness connection. Replace the harness if it has visible damage.
[OPEN]	B1070	Front passenger air bag module circuit (AS2) is open.	3. 4. 5.	Replace the air bag diagnosis sensor unit. Replace the front passenger air bag module. Replace the related harness.
ASSIST A/B MODULE	B1066	Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.		
[VB-SHORT]	B1071	Front passenger air bag module circuit (AS2) is shorted to a power supply circuit.		
ASSIST A/B MODULE		Front passenger air bag module circuit (AS1) is shorted to ground.		
[GND-SHORT]	B1072	Front passenger air bag module circuit (AS2) is shorted to ground.		
ASSIST A/B MODULE	B1068	Front passenger air bag module circuits (AS1) are shorted to each other.		
[SHORT]	B1073	Front passenger air bag module circuits (AS2) are shorted to each other.		

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-21, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.erase self-diag result

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to SRC-21, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to <u>SRC-15, "Self-Diagnosis Function (Without CONSULT)"</u>. **NOTE:**

Revision: August 2014 SRC-20 2015 Frontier NAM

B1065 - B1068, B1070 - B1073 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS > SRS will not enter diagnosis mode if no malfunction is detected in user mode. Α Is the DTC detected? >> Refer to SRC-21, "Diagnosis Procedure". YES NO >> Inspection End. Diagnosis Procedure INFOID:000000001071128 1. HARNESS CONNECTOR Visually inspect all applicable harness connectors for the following: Visible damage to connector or terminal Loose terminal D · Poor connection NOTE: All harness connectors should be inspected from the air bag diagnosis unit to the end component (including Е any in-line connectors). Is the inspection result normal? >> GO TO 2. YES NO >> Perform one of the following repairs: Visible damage: Replace the harness. Loose terminal: Secure the terminal. Poor connection: Secure the connection. 2.CONFIRM DTC Reconnect all harness connectors. SRC Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current? YES >> GO TO 3. NO >> Refer to GI-42, "Intermittent Incident". $oldsymbol{3}$. WIRING HARNESS Check the wiring harness for visible damage. NOTE: The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors). Is the inspection result normal? YES >> GO TO 4. NO >> Replace the harness. CONFIRM DTC Reconnect all harness connectors. 2. Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current? N YES >> GO TO 5. NO >> Refer to GI-42, "Intermittent Incident". ${f 5.}$ AIR BAG DIAGNOSIS SENSOR UNIT Replace the air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation". Turn ignition switch ON. 2. Р Check for DTC using CONSULT. Is DTC still current? YES >> GO TO 6. NO >> Clear DTC. Inspection End. 6.FRONT PASSENGER AIR BAG MODULE

Revision: August 2014 SRC-21 2015 Frontier NAM

Replace the front passenger air bag module. Refer to SR-15, "Removal and Installation".

Turn ignition switch ON.

B1065 - B1068, B1070 - B1073 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END

B1134 - B1137 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B1134 – B1137 SIDE AIRBAG MODULE LH

Description INFOID:0000000010711282

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:0000000010711283

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE MODULE LH [OPEN]	B1134	Front LH side air bag module circuit is open.	 Visually check the wiring harness connection. Replace the harness if it has visible damage.
SIDE MODULE LH [VB-SHORT]	B1135	Front LH side air bag module circuit is shorted to a power supply circuit.	 Replace the air bag diagnosis sensor unit. Replace the front LH side air bag module. Replace the related harness.
SIDE MODULE LH [GND-SHORT]	B1136	Front LH side air bag module circuit is shorted to ground.	Topiaso no rolato namesor
SIDE MODULE LH [SHORT]	B1137	Front LH side air bag module circuits are shorted to each other.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-23, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

>> Inspection End. NO

$\mathbf{2}.$ ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

>> Refer to SRC-23, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-15, "Self-Diagnosis Function (Without CONSULT)". 2. NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-23, "Diagnosis Procedure".

NO >> Inspection End.

1. HARNESS CONNECTOR

Diagnosis Procedure

Visually inspect all applicable harness connectors for the following:

SRC-23 Revision: August 2014 2015 Frontier NAM SRC

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B1134 - B1137 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

- · Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

- Reconnect all harness connectors.
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.SIDE AIR BAG MODULE LH

- 1. Replace the side air bag module LH.
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END

B1129 - B1132 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B1129 – B1132 SIDE AIRBAG MODULE RH

Description INFOID:0000000010711285

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:0000000010711286

DTC DETECTION LOGIC

With CONSULT

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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-25, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

>> Inspection End. NO

ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

>> Refer to SRC-25, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-15, "Self-Diagnosis Function (Without CONSULT)". 2. NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-25, "Diagnosis Procedure".

NO >> Inspection End.

1. HARNESS CONNECTOR

Diagnosis Procedure

Visually inspect all applicable harness connectors for the following:

SRC-25 Revision: August 2014 2015 Frontier NAM SRC

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B1129 - B1132 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

- · Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2.confirm ${ t bt}$

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

- Reconnect all harness connectors.
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.SIDE AIR BAG MODULE RH

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

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

B1150 - B1153 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B1150 – B1153 SIDE CURTAIN AIR BAG MODULE LH

Description INFOID:0000000010711288

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:0000000010711289

DTC DETECTION LOGIC

With CONSULT

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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-27, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

>> Inspection End. NO

$\mathbf{2}.$ ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

>> Refer to SRC-27, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-15, "Self-Diagnosis Function (Without CONSULT)". 2. NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-27, "Diagnosis Procedure".

NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

SRC-27 Revision: August 2014 2015 Frontier NAM SRC

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B1150 - B1153 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

- · Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2.confirm ${ t bt}$

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

- Reconnect all harness connectors.
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.SIDE CURTAIN AIR BAG MODULE LH

- Replace the side curtain air bag module LH. Refer to <u>SR-18, "Removal and Installation"</u>.
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END

B1145 - B1148 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B1145 – B1148 SIDE CURTAIN AIR BAG MODULE RH

Description INFOID:0000000010711291

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:0000000010711292

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
CURTAIN MODULE RH [OPEN]	B1145	RH side curtain air bag module circuit is open.	 Visually check the wiring harness connection. Replace the harness if it has visible damage.
CURTAIN MODULE RH [VB-SHORT]	B1146	RH side curtain air bag module circuit is shorted to a power supply circuit.	 Replace the air bag diagnosis sensor unit. Replace the RH side curtain air bag module. Replace the related harness.
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.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-29, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

>> Inspection End. NO

$\mathbf{2}.$ ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to SRC-29, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-15, "Self-Diagnosis Function (Without CONSULT)". 2. NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-29, "Diagnosis Procedure".

NO >> Inspection End.

1. HARNESS CONNECTOR

Diagnosis Procedure

Revision: August 2014

Visually inspect all applicable harness connectors for the following:

SRC-29 2015 Frontier NAM

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B1145 - B1148 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

- · Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2.confirm ${ t bt}$

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

- Reconnect all harness connectors.
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

$\mathsf{6}.\mathsf{side}$ curtain air bag module RH

- Replace the side curtain air bag module RH. Refer to <u>SR-18, "Removal and Installation"</u>.
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

B1086 - B1089 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

B1086 – B1089 SEAT BELT PRE-TENSIONER LH

Description INFOID:0000000010711294

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:0000000010711295

DTC DETECTION LOGIC

With CONSULT

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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-31, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

>> Inspection End. NO

$\mathbf{2}.$ ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

>> Refer to SRC-31, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-15, "Self-Diagnosis Function (Without CONSULT)". 2. NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-31, "Diagnosis Procedure".

>> Inspection End. NO

1. HARNESS CONNECTOR

Diagnosis Procedure

Visually inspect all applicable harness connectors for the following:

SRC-31 Revision: August 2014 2015 Frontier NAM SRC

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B1086 – B1089 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

- · Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2.confirm ${ t bt}$

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

${f 5.}$ AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.SEAT BELT PRE-TENSIONER LH

- 1. Replace the seat belt pre-tensioner LH. Refer to SR-21, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END

B1081 – B1084 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

B1081 – B1084 SEAT BELT PRE-TENSIONER RH

Description INFOID:0000000010711297

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:0000000010711298

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PRE-TEN FRONT RH [OPEN]	B1081	2.	2. Replace the harness if it has visible damage.
PRE-TEN FRONT RH [VB-SHORT]	B1082	RH seat belt pre-tensioner circuit is shorted to a power supply circuit.	 Replace the air bag diagnosis sensor unit. Replace the front RH seat belt pre-tensioner. Replace the related harness.
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.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-33, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

>> Inspection End. NO

$\mathbf{2}.$ ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

>> Refer to SRC-33, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-15, "Self-Diagnosis Function (Without CONSULT)". 2. NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-33, "Diagnosis Procedure".

>> Inspection End. NO

Diagnosis Procedure

1. HARNESS CONNECTOR Visually inspect all applicable harness connectors for the following:

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B1081 – B1084 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

- · Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2.confirm ${ t bt}$

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

- Reconnect all harness connectors.
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.SEAT BELT PRE-TENSIONER RH

- Replace the seat belt pre-tensioner RH. Refer to <u>SR-21, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

B1033 - B1035 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B1033 – B1035 CRASH ZONE SENSOR

Description INFOID:0000000010711300

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:0000000010711301

DTC DETECTION LOGIC

With CONSULT

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

DTC CONFIRMATION PROCEDURE (With CONSULT)

CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-35, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to SRC-35, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-15, "Self-Diagnosis Function (Without CONSULT)". NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-35, "Diagnosis Procedure".

NO >> Inspection End.

1. HARNESS CONNECTOR

Diagnosis Procedure

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal
- · Loose terminal
- · Poor connection

NOTE:

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B1033 – B1035 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

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

Is the inspection result normal?

YES >> GO TO 2.

NO

- >> Perform one of the following repairs:
 - · Visible damage: Replace the harness.
 - Loose terminal: Secure the terminal.
 - Poor connection: Secure the connection.

2.confirm dtc

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

5. CRASH ZONE SENSOR

- Replace the crash zone sensor. Refer to <u>SR-20, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6. AIR BAG DIAGNOSIS SENSOR UNIT

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-22, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

/.RELATED HARNESS

Replace the related harness.

>> END

B1118 – B1120 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B1118 - B1120 SATELLITE SENSOR LH

Description INFOID:0000000010711303

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:0000000010711304

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition		Repair order	F
SATELLITE SENS LH		LH side air bag satellite sensor has mal-	1.	Visually check the wiring harness connection.	
[UNIT FAIL]	B1119	functioned.	2. 3.	Replace the harness if it has visible damage. Replace the LH side air bag satellite sensor.	
SATELLITE SENS LH	B1120	LH side air bag satellite sensor communi-	4.	Replace the air bag diagnosis sensor unit.	G
[COMM FAIL]	D1120	cation error.	5.	Replace the related harness.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-37, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

>> Inspection End.

ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

>> Refer to SRC-37, "Diagnosis Procedure". NO

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- 1 Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-15, "Self-Diagnosis Function (Without CONSULT)".

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

Is the DTC detected?

YES >> Refer to <u>SRC-37</u>, "<u>Diagnosis Procedure</u>".

>> Inspection End. NO

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal
- Loose terminal
- Poor connection

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INFOID:0000000010711305

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B1118 - B1120 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO

- >> Perform one of the following repairs:
 - · Visible damage: Replace the harness.
 - Loose terminal: Secure the terminal.
 - · Poor connection: Secure the connection.

2.confirm dtc

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

5. SATELLITE SENSOR LH

- Replace the satellite sensor LH. Refer to <u>SR-25</u>, "Removal and Installation <u>Side Air Bag (Satellite) Sensor</u>".
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.air bag diagnosis sensor unit

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation".
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B1113 – B1115 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B1113 - B1115 SATELLITE SENSOR RH

Description INFOID:0000000010711306

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:0000000010711307

DTC DETECTION LOGIC

With CONSULT

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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-39, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

>> Inspection End.

ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

>> Refer to SRC-39, "Diagnosis Procedure". NO

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- 1 Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-15, "Self-Diagnosis Function (Without CONSULT)".

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

Is the DTC detected?

YES >> Refer to <u>SRC-39</u>, "<u>Diagnosis Procedure</u>".

>> Inspection End. NO

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal
- Loose terminal
- Poor connection

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INFOID:0000000010711308

B1113 – B1115 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO

- >> Perform one of the following repairs:
 - Visible damage: Replace the harness.
 - Loose terminal: Secure the terminal.
 - Poor connection: Secure the connection.

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

5. SATELLITE SENSOR RH

- 1. Replace the satellite sensor RH. Refer to <u>SR-25, "Removal and Installation Side Air Bag (Satellite) Sensor"</u>.
- Turn ignition switch ON.
- 3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.air bag diagnosis sensor unit

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation".
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

B1343 - B1349 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B1343 - B1349 FRONT DOOR SATELLITE SENSOR LH

Description INFOID:0000000011301057

DTC B1343 - B1349 FRONT DOOR SATELLITE SENSOR LH

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

PART LOCATION

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

DTC Logic INFOID:0000000011301058

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition		Repair order	F
FR-LH DOOR SATEL SENS [UNIT FAIL]	B1343 B1344	Front door satellite sensor LH has malfunctioned.	1. 2. 3.	Visually check the wiring harness connection. Replace the harness if it has visible damage. Replace the front door satellite sensor LH.	-
	B1345	Front door satellite sensor LH communication error.	4 Replace the air had diagnosis s	Replace the air bag diagnosis sensor unit.	(
FR-LH DOOR SATEL SENS [COM FAIL]	B1347 B1348	tion circi.			SI
	B1349				
FR-LH DOOR SATEL SENS [MIS-INSTALLATION]	B1346	Front door satellite sensor LH is out of specification.			ı

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-42, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

>> Refer to SRC-42, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-15, "Trouble Diagnosis without CONSULT". 2.

NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-42, "Diagnosis Procedure".

NO >> Inspection End.

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B1343 - B1349 FRONT DOOR SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

Diagnosis Procedure

INFOID:0000000011301059

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- · Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of the following repairs:

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

2.confirm dtc

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

${f 5}$. FRONT DOOR SATELLITE SENSOR LH

Replace the front door satellite sensor LH. Refer to <u>SR-25</u>, "Removal and Installation - <u>Side Air Bag (Satellite)</u> <u>Sensor"</u>.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

- Replace the air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation".
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

B1343 - B1349 FRONT DOOR SATELLITE SENSOR LH < DTC/CIRCUIT DIAGNOSIS >	
7.RELATED HARNESS	Α
Replace the related harness.	
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B1336 - B1342 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B1336 - B1342 FRONT DOOR SATELLITE SENSOR RH

Description INFOID:000000011301060

DTC B1336 - B1342 FRONT DOOR SATELLITE SENSOR RH

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

PART LOCATION

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

DTC Logic

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FR-RH DOOR SATEL	B1336		Visually check the wiring harness connection.
SENS [UNIT FAIL]	B1337		 Replace the harness if it has visible damage. Replace the front door satellite sensor RH.
	B1338		4. Replace the air bag diagnosis sensor unit.5. Replace the related harness.
FR-RH DOOR SATEL SENS	B1340		Tropiaco ano rotatos namesos.
[COM FAIL]	B1341		
	B1342		
FR-RH DOOR SATEL SENS [MIS-INSTALLATION]	B1339	Front door satellite sensor RH is out of specification.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-45, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-45</u>, "<u>Diagnosis Procedure</u>".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-60, "Trouble Diagnosis without CONSULT"</u>.NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-45</u>, "<u>Diagnosis Procedure</u>".

NO >> Inspection End.

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B1336 - B1342 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

< DTC/CIRCUIT DIAGNOSIS >	
Diagnosis Procedure	01062
1. HARNESS CONNECTOR	
Visually inspect all applicable harness connectors for the following: • Visible damage to connector or terminal • Loose terminal • Poor connection NOTE: All harness connectors should be inspected from the air bag diagnosis unit to the end component (includ any in-line connectors).	ing
Is the inspection result normal?	
YES >> GO TO 2. NO >> Perform one of the following repairs: • Visible damage: Replace the harness. • Loose terminal: Secure the terminal. • Poor connection: Secure the connection.	
2.confirm dtc	
 Reconnect all harness connectors. Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current? 	
YES >> GO TO 3. NO >> Refer to GI-42, "Intermittent Incident".	
3. WIRING HARNESS	\$
NOTE: The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end compone (including any in-line connectors). Is the inspection result normal? YES >> GO TO 4. NO >> Replace the harness. 4.CONFIRM DTC	ent
 Reconnect all harness connectors. Turn ignition switch ON. Check for DTC using CONSULT. 	
Is DTC still current? YES >> GO TO 5. NO >> Refer to GI-42, "Intermittent Incident". 5.FRONT DOOR SATELLITE SENSOR RH	
Replace the front door satellite sensor RH. Refer to <u>SR-25, "Removal and Installation - Side Air Bag (Satelli</u>	ite)
Sensor". Is DTC still current? YES >> GO TO 6. NO >> Clear DTC. Inspection End. 6.AIR BAG DIAGNOSIS SENSOR UNIT	<u>,</u>
 Replace the air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation". Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current? YES >> GO TO 7. NO >> Clear DTC. Inspection End. 	

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B1336 - B1342 FRONT DOOR SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

7.RELATED HARNESS

Replace the related harness.

>> END

B1350 FRONT DOOR SATELLITE SENSORS

< DTC/CIRCUIT DIAGNOSIS >

B1350 FRONT DOOR SATELLITE SENSORS

Description INFOID:0000000011301063

DTC B1350 FRONT DOOR SATELLITE SENSORS LH/RH

The front door satellite sensors LH/RH are wired to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit will monitor the front door satellite sensors LH/RH for internal failures and check if the sensors are within specification.

PART LOCATION

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

DTC Logic INFOID:0000000011301064

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition		Repair order
FR DOOR SATEL SENS	B1350	Front door satellite sensors LH/RH are malfunctioning or are out of specification.	1. 2. 3. 4.	Visually check the wiring harness connections. Replace the harnesses if they have visible damage. Replace the front door satellite sensor LH and RH. Replace the air bag diagnosis sensor unit. Replace the related harnesses.

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-47, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

>> Inspection End. NO

2.erase self-diag result

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to SRC-47, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-60, "Trouble Diagnosis without CONSULT". 2.

NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-47</u>, "<u>Diagnosis Procedure</u>".

NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR

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INFOID:0000000011301065

B1350 FRONT DOOR SATELLITE SENSORS

< DTC/CIRCUIT DIAGNOSIS >

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO >>

- >> Perform one of the following repairs:
 - · Visible damage: Replace the harness.
 - · Loose terminal: Secure the terminal.
 - · Poor connection: Secure the connection.

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

FRONT DOOR SATELLITE SENSOR

Replace the front door satellite sensor LH and RH. Refer to <u>SR-25</u>, "Removal and Installation - <u>Side Air Bag</u> (<u>Satellite</u>) <u>Sensor</u>".

Is DTC still current?

YES >> GO TO 6

NO >> Clear DTC. Inspection End.

$oldsymbol{6}$. AIR BAG DIAGNOSIS SENSOR UNIT

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-22, "Removal and Installation"</u>.
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END

B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

Description INFOID:0000000010711309

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-15, "CONSULT Function (AIR BAG)".

PART LOCATION

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

DTC Logic INFOID:0000000010711310

DTC DETECTION LOGIC

With CONSULT

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

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-49, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-15, "Self-Diagnosis Function (Without CONSULT)". 2. NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-49</u>, "<u>Diagnosis Procedure</u>".

NO >> Inspection End.

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:

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INFOID:0000000010711311

B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

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

Is the inspection result normal?

YES >> GO TO 2.

NO

- >> Perform one of the following repairs:
 - Visible damage: Replace the harness.
 - Loose terminal: Secure the terminal.
 - · Poor connection: Secure the connection.

2.confirm dtc

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

${f 5.}$ AIR BAG DIAGNOSIS SENSOR UNIT

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-22, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.RELATED HARNESS

Replace the related harness.

>> END

B1023 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

B1023 PASSENGER AIR BAG OFF INDICATOR

Description INFOID:0000000010711312

DTC B1023 FRONT PASSENGER AIR BAG OFF INDICATOR

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

PART LOCATION

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

DTC Logic INFOID:0000000010711313

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PASS A/B INDCTR CKT	B1023	Front passenger air bag off indicator is malfunctioning.	 Visually check the wiring harness connection. Replace the harness if it has visible damage. Replace the front passenger air bag off indicator. Replace the air bag diagnosis sensor unit. Replace the related harness.

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-51, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

>> Inspection End.

2.erase self-diag result

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1.CHECK SELF-DIAG RESULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-15, "Self-Diagnosis Function (Without CONSULT)". 2. NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-51, "Diagnosis Procedure".

>> Inspection End. NO

Diagnosis Procedure

$1_{ ext{-}}$ HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal
- · Loose terminal
- · Poor connection

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INFOID:0000000010711314

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B1023 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO

- >> Perform one of the following repairs:
 - · Visible damage: Replace the harness.
 - Loose terminal: Secure the terminal.
 - Poor connection: Secure the connection.

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

5. PASSENGER AIR BAG OFF INDICATOR

- 1. Replace the passenger air bag off indicator. Refer to IP-15, "Removal and Installation".
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

$oldsymbol{6}$. AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation".
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

/.RELATED HARNESS

Replace the related harness.

>> END

B1017 – B1022 OCCUPANT CLASSIFICATION SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

B1017 - B1022 OCCUPANT CLASSIFICATION SYSTEM

Description INFOID:0000000010711315

DTC B1017 - B1022 OCCUPANT CLASSIFICATION SYSTEM (OCS)

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

PART LOCATION

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

DTC Logic INFOID:0000000010711316

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition		Repair order	-
	B1017	The OCS control unit is malfunctioning.	1.	Replace the OCS control unit.	-
OCCUPANT SENS C/U [UNIT FAIL]	B1020				G
[8:4:1742]	B1021				
OCCUPANT SENS [UNIT FAIL]	B1018	The OCS sensor mat is malfunctioning.			SF
OCCUPANT SENS [OTHER FAIL]	B1019	The OCS is malfunctioning.			
OCCUPANT SENS C/U [COMM FAIL]	B1022	Communication between the OCS control unit and the air bag diagnosis sensor unit is interrupted.	1. 2. 3. 4.	Visually check the wiring harness connections to the OCS control unit and the seat subhasrness. Replace the harness if it has visible damage. Replace the OCS control unit. Replace the air bag diagnosis sensor unit.	J

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-54, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

$\mathbf{2}.$ ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

>> Refer to SRC-54, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF-DIAG RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-15</u>, "Self-Diagnosis Function (Without CONSULT)". 2. NOTE:

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

Is the DTC detected?

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B1017 – B1022 OCCUPANT CLASSIFICATION SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

YES >> Refer to SRC-54, "Diagnosis Procedure"

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000010711317

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal
- Loose terminal
- Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO

- >> Perform one of the following repairs:
 - Visible damage: Replace the harness.
 - · Loose terminal: Secure the terminal.
 - · Poor connection: Secure the connection.

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Refer to GI-42, "Intermittent Incident".

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

NO >> Refer to GI-42, "Intermittent Incident".

5. REPLACE OCS CONTROL UNIT

- 1. Replace the OCS control unit. Refer to SR-24, "Removal and Installation".
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-22, "Removal and Installation"</u>.
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

B1017 - B1022 OCCUPANT CLASSIFICATION SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

- Brokentosia						
YES >> GO TO 7. NO >> Clear DTC. Inspection End.						
7. RELATED HARNESS						
Replace the related harness.						

>> END

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B1209 - B1211 COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

B1209 - B1211 COLLISION DETECTION

Description INFOID:000000010711318

DTC B1209 - B1211 COLLISION DETECTION

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

PART LOCATION

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

DTC Logic

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
FRONTAL COLLISION DETECTION	B1209	Driver and/or front passenger air bag modules are deployed.	Refer to SR-4, "For Frontal Collision".
SIDE COLLISION DE- TECTION	B1210	Side and/or curtain air bag modules are deployed.	Refer to SR-6, "For Side and Rollover Collision".
ROLLOVER DETEC- TION	B1211	Curtain air bag module and seat belt pretensioner are deployed.	

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

YES >> Refer to SRC-56, "Diagnosis Procedure".

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000010711320

Refer to SR-4, "For Frontal Collision" or SR-6, "For Side and Rollover Collision".

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

Trouble Diagnosis with CONSULT

INFOID:0000000010711321

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DIAGNOSTIC CODE CHART

NOTE:

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

CONSULT name	DTC	DTC detecting condition		Repair order
RIVER AIRBAG MODULE	IVER AIRBAG MODULE [OPEN] B 1049 open (including the spiral cal	Driver air bag module circuit (DR1) is open (including the spiral cable).	1. 2.	2. Replace the harness if it has visible damage.
[OPEN]		Driver air bag module circuit (DR2) is open (including the spiral cable).	3. 4. 5.	Inspect the spiral cable circuit. Replace the air bag diagnosis sensor unit. Replace the driver air bag module.
DRIVER AIRBAG MODULE [VB-SHORT]	B1050	Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).	6.	Replace the related harness.
	B1055	Driver air bag module circuit (DR2) is shorted to a power supply circuit (including the spiral cable).		
DRIVER AIRBAG MODULE	B1051	Driver air bag module circuit (DR1) is shorted to ground (including the spiral cable).		
[GND-SHORT]	B1056	Driver air bag module circuit (DR2) is shorted to ground (including the spiral cable).		
DRIVER AIRBAG MODULE	B1052	Driver air bag module circuits (DR1) are shorted to each other (including the spiral cable).		
[SHORT]	B1057	Driver air bag module circuits (DR2) are shorted to each other (including the spiral cable).		
ASSIST A/B MODULE	B1065	Front passenger air bag module circuit (AS1) is open.	1. 2.	2. Replace the harness if it has visible damage
[OPEN]	B1070	Front passenger air bag module circuit (AS2) is open.	4. Replace the front passenger air bag r	Replace the air bag diagnosis sensor unit. Replace the front passenger air bag module. Replace the related harness.
ASSIST A/B MODULE	B1066	Front passenger air bag module circuit (AS1) is shorted to a power supply circuit.	2. Asplace the related number.	,
[VB-SHORT]	B1071	Front passenger air bag module circuit (AS2) is shorted to a power supply circuit.		
ASSIST A/B MODULE	B1067	Front passenger air bag module circuit (AS1) is shorted to ground.		
[GND-SHORT]	B1072	Front passenger air bag module circuit (AS2) is shorted to ground.		
ASSIST A/B MODULE [SHORT]	B1068	Front passenger air bag module circuits (AS1) are shorted to each other.		
	B1073	Front passenger air bag module circuits (AS2) are shorted to each other.		

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< ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition		Repair order
SIDE MODULE LH [OPEN]	B1134	Front LH side air bag module circuit is open.	1. 2.	Visually check the wiring harness connection Replace the harness if it has visible damage
SIDE MODULE LH [VB-SHORT]	B1135	Front LH side air bag module circuit is shorted to a power supply circuit.	3. 4. 5.	Replace the air bag diagnosis sensor unit. Replace the front LH side air bag module. Replace the related harness.
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. 2.	Visually check the wiring harness connection Replace the harness if it has visible damag
SIDE MODULE RH [VB-SHORT]	B1130	Front RH side air bag module circuit is shorted to a power supply circuit.	3. 4. 5.	Replace the air bag diagnosis sensor unit. Replace the front RH side air bag module. Replace the related harness.
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. 2.	Visually check the wiring harness connection Replace the harness if it has visible damage
CURTAIN MODULE LH [VB-SHORT]	B1151	LH side curtain air bag module circuit is shorted to a power supply circuit.	3. 4. 5.	Replace the air bag diagnosis sensor unit. Replace the LH side curtain air bag module Replace the related harness.
CURTAIN MODULE LH [GND-SHORT]	B1152	LH side curtain air bag module circuit is shorted to ground.	J.	replace the related harriess.
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 Replace the harness if it has visible damage
CURTAIN MODULE RH [VB-SHORT]	B1146	RH side curtain air bag module circuit is shorted to a power supply circuit.	3. 4. 5.	Replace the air bag diagnosis sensor unit. Replace the RH side curtain air bag module Replace the related harness.
CURTAIN MODULE RH [GND-SHORT]	B1147	RH side curtain air bag module circuit is shorted to ground.	J.	replace the related harness.
CURTAIN MODULE RH [SHORT]	B1148	RH side curtain air bag module circuits are shorted to each other.		
PRE-TEN FRONT LH [OPEN]	B1086	LH seat belt pre-tensioner circuit is open.	1. 2.	Visually check the wiring harness connection Replace the harness if it has visible damage
PRE-TEN FRONT LH [VB-SHORT]	B1087	LH seat belt pre-tensioner circuit is shorted to a power supply circuit.	3. 4. 5.	Replace the air bag diagnosis sensor unit. Replace the front LH seat belt pre-tensione Replace the related barroose.
PRE-TEN FRONT LH [GND-SHORT]	B1088	LH seat belt pre-tensioner circuit is shorted to ground.	J.	Replace the related harness.
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. 2.	Visually check the wiring harness connection Replace the harness if it has visible damage
PRE-TEN FRONT RH [VB-SHORT]	B1082	RH seat belt pre-tensioner circuit is shorted to a power supply circuit.	3. 4.	Replace the air bag diagnosis sensor unit. Replace the front RH seat belt pre-tensione
PRE-TEN FRONT RH [GND-SHORT]	B1083	RH seat belt pre-tensioner circuit is shorted to ground.	5.	Replace the related harness.
PRE-TEN FRONT RH [SHORT]	B1084	RH seat belt pre-tensioner circuits are shorted to each other.		
	B1033	Crash zone sensor has	1.	Visually check the wiring harness connection
CRASH ZONE SEN [UNIT FAIL]	B1033	malfunctioned.	2. 3.	Replace the harness if it has visible damag Replace the crash zone sensor.
CRASH ZONE SEN [COMM FAIL]	B1035	Crash zone sensor communication error.	4. 5.	Replace the air bag diagnosis sensor unit. Replace the related harness.

< ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition	Repair order
SATELLITE SENS LH	B1118	LH side air bag satellite sensor has	Visually check the wiring harness connection.
[UNIT FAIL]	B1119	malfunctioned.	 Replace the harness if it has visible damage. Replace the LH side air bag satellite sensor.
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	B1113	RH side air bag satellite sensor has	Visually check the wiring harness connection.
[UNIT FAIL]	B1114	malfunctioned.	 Replace the harness if it has visible damage. Replace the RH side air bag satellite sensor.
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.
FR-LH DOOR SATEL SENS	B1343 Front door satellite sensor LH has	Visually check the wiring harness connection.	
[UNIT FAIL]	B1344	malfunctioned.	 Replace the harness if it has visible damage. Replace the front door satellite sensor LH.
	B1345	Front door satellite sensor LH	Replace the air bag diagnosis sensor unit.
FR-LH DOOR SATEL SENS	B1347	communication error.	5. Replace the related harness.
[COM FAIL]	B1348		
	B1349		
FR-LH DOOR SATEL SENS [MIS-INSTALLATION]	B1346	Front door satellite sensor LH is out of specification.	
FR-RH DOOR SATEL SENS	B1336	Front door satellite sensor RH has	Visually check the wiring harness connection.
[UNIT FAIL]	B1337	malfunctioned.	 Replace the harness if it has visible damage. Replace the front door satellite sensor RH.
	B1338	Front door satellite sensor RH	4. Replace the air bag diagnosis sensor unit.
FR-RH DOOR SATEL SENS	B1340	communication error.	5. Replace the related harness.
[COM FAIL]	B1341		
	B1342		
FR-RH DOOR SATEL SENS [MIS-INSTALLIATION]	B1339	Front door satellite sensor RH is out of specification.	
FR DOOR SATEL SENS	B1350	Front door satellite sensor LH/RH have malfunctioned.	 Visually check the wiring harness connection. Replace the harnesses if they have visible damage. Replace both front door satellite sensors LH and RH. Replace the air bag diagnosis sensor unit. Replace the related harnesses.
	B1017	The OCS control unit is	Replace the OCS control unit.
OCCUPANT SENS C/U	B1020	malfunctioning.	
[UNIT FAIL]	B1021		
OCCUPANT SENS [UNIT FAIL]	B1018	The OCS sensor mat is malfunctioning.	
OCCUPANT SENS [OTHER FAIL]	B1019	The OCS is malfunctioning.	
OCCUPANT SENS C/U [COMM FAIL]	B1022	Communication between the OCS control unit and the air bag diagnosis sensor unit is interrupted.	 Visually check the wiring harness connection. Replace the harness if it has visible damage. Replace the OCS control unit. Replace the air bag diagnosis sensor unit.
PASS A/B INDCTR CKT	B1023	Front passenger air bag OFF indicator is malfunctioning.	 Visually check the wiring harness connection. Replace the harness if it has visible damage. Replace the front passenger air bag OFF indicator. Replace the air bag diagnosis sensor unit. Replace the related harness.
		Driver and/or front passenger air bag	Refer to SR-4, "For Frontal Collision".

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< ECU DIAGNOSIS INFORMATION >

CONSULT name	DTC	DTC detecting condition	Repair order
SIDE COLLISION DETEC- TION	B1210	Side and/or curtain air bag modules are deployed.	Refer to SR-6, "For Side and Rollover Collision".
ROLLOVER DETECTION	B1211	Curtain air bag module and seat belt pre-tensioner are deployed.	

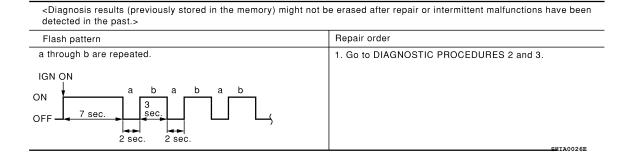
Trouble Diagnosis without CONSULT

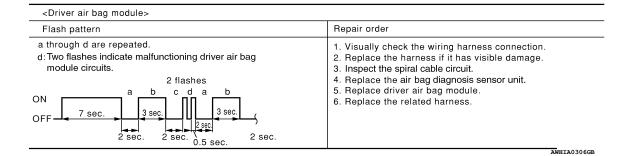
INFOID:0000000010711322

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.

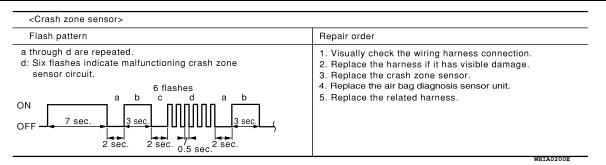




<air bag="" diagnosis="" sensor="" unit=""></air>	
Flash pattern	Repair order
a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit. 7 flashes ON 7 sec. 2 sec. 2 sec. 2 sec. 0.5 sec.	Visually check the wiring harness connections. Replace the harness if it has visible damage. Replace the air bag diagnosis sensor unit. Replace the related harness.

<front air="" bag="" module="" passenger=""></front>	
Flash pattern	Repair order
a through d are repeated. d: Eight flashes indicate malfunctioning front passenger air bag module circuit. 8 flashes ON OFF 7 sec. 2 sec. 2 sec. 0.5 sec.	Visually check the wiring harness connection. Replace the harness if it has visible damage. Replace the air bag diagnosis sensor unit. Replace front passenger air bag module. Replace the related harness.

< ECU DIAGNOSIS INFORMATION >



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Flash pattern	Repair order
a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit. 1 flash ON 7 sec. 2 sec. 2 sec. 2 sec. 2 sec. 2 sec.	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 front RH seat belt pre-tensioner. 5. Replace the related harness.

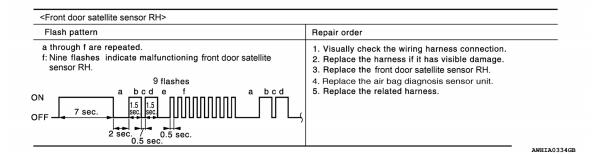
Flash pattern	Repair order
a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit. 3 flashes b c d a b 7 sec. 2 sec. / 2 sec. 0.5 sec.	Visually check the wiring harness connections. Replace the harness if it has visible damage. Replace the air bag diagnosis sensor unit. Replace front LH seat belt pre-tensioner. Replace the related harness.

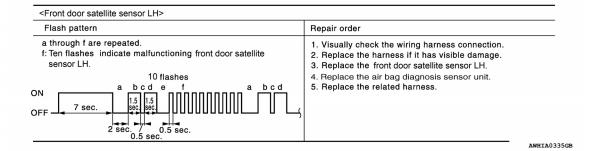
<rh (satellite)="" air="" bag="" sensor="" side=""></rh>	
Flash pattern	Repair order
a through f are repeated. f: Three flashes indicate malfunctioning RH side air bag (Satellite) sensor circuit. ON OFF 7 sec. 0.5 sec. 2 sec.	Visually check the wiring harness connection. Replace the harness if it has visible damage. Replace the RH side air bag (Satellite) sensor. Replace the air bag diagnosis sensor unit. Replace the related harness.

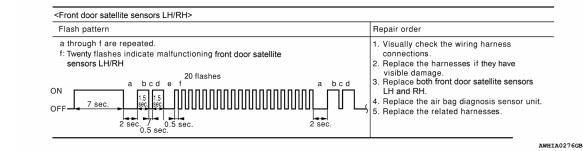
Flash pattern	Repair order
a through f are repeated. f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor.	 Visually check the wiring harness connection. Replace the harness if it has visible damage. Replace the LH side air bag (Satellite) sensor.
4 flashes	4. Replace the air bag diagnosis sensor unit.
ON a bcd e f a bcd 7 sec. 1.5 1	5. Replace the related harness.
2 sec. 7 0.5 sec. 0.5 sec.	WHIA0204

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< ECU DIAGNOSIS INFORMATION >



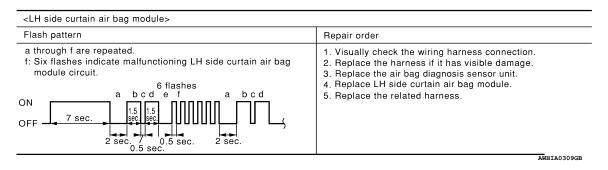




<Front RH side air bag module> Flash pattern Repair order a through f are repeated. 1. Visually check the wiring harness connection. f: One flash indicate malfunctioning front RH side air bag 2. Replace the harness if it has visible damage. module circuit. 3. Replace the air bag diagnosis sensor unit. 1 flash 4. Replace the front RH side air bag module. 5. Replace the related harness. ON 2 sec 0.5 sec. 0.5 sec AWHIA0305GB

<front air="" bag="" lh="" module="" side=""></front>		
Flash pattern	Repair order	
a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit. 2 flashes 7 sec. 2 flashes 2 sec. 0.5 sec. 2 sec.	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 front LH side air bag module. 5. Replace the related harness.	

< ECU DIAGNOSIS INFORMATION >



<rh air="" bag="" curtain="" module="" side=""></rh>	
Flash pattern	Repair order
a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit. 5 flashes ON 7 sec. 0.5 sec. 2 sec. 2 sec.	Visually check the wiring harness connection. Replace the harness if it has visible damage. Replace the air bag diagnosis sensor unit. Replace RH side curtain air bag module. Replace the related harness.
	AWHIA0308GB

<Occupant classification system>

Flash pattern	Repair order
a through d are repeated. d: Five flashes indicate malfunctioning occupant classification system control unit. 5 flashes ON 7 sec. 2 sec. 2 sec. 0.5 sec. 0.5 sec.	Visually check the wiring harness connection. Replace the harness if it has visible damage. Replace occupant classification system control unit. Replace the air bag diagnosis sensor unit.

<Front passenger air bag off indicator>

Flash pattern	Repair order
a through d are repeated. d: Eleven flashes indicate malfunctioning front passenger air bag off indicator. ON OFF 7 sec. 2 sec. 2 sec. 0.5 sec.	1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front passenger air bag off indicator. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

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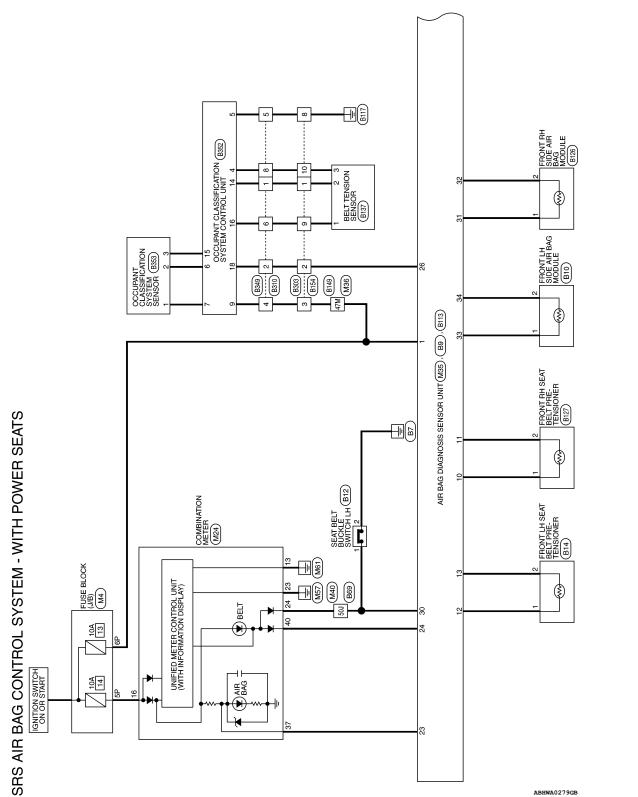
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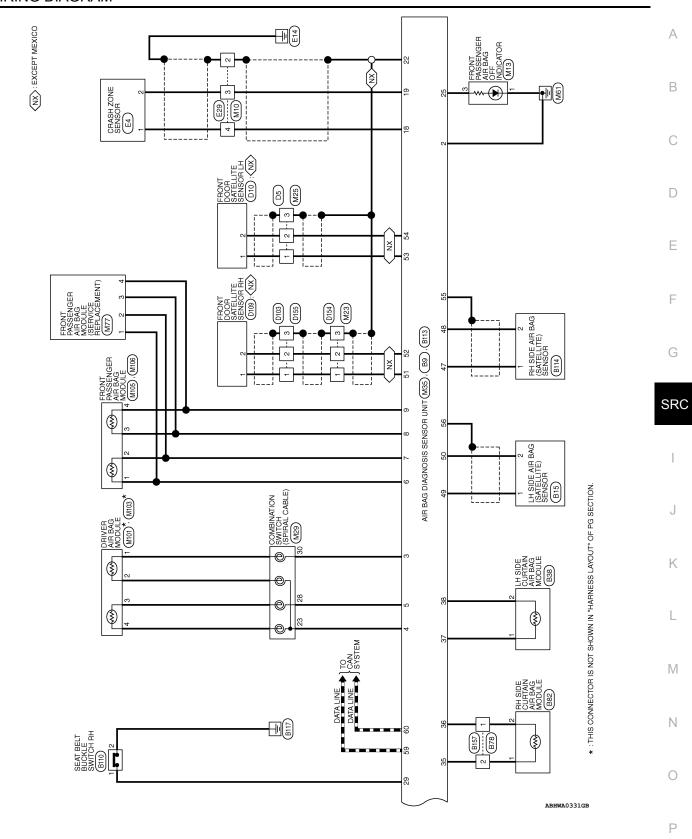
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WIRING DIAGRAM

SRS AIR BAG CONTROL SYSTEM

Wiring Diagram - With Power Seats





FRONT PASSENGER AIR BAG OFF INDICATOR

Connector No. M13

Connector Name

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

BROWN

Connector Color

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH POWER SEATS

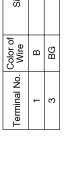
M4	Connector Name FUSE BLOCK (J/B)	WHITE	
Connector No.	Connector Name	Connector Color WHITE	



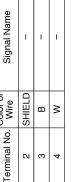


Signal Name	-	-	
Color of Wire	W/G	W/R	
Terminal No.	5P	6P	





Signal Name	I	-	-
Color of Wire	SHIELD	В	M
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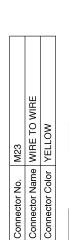




Connector Name | WIRE TO WIRE

Connector No.

Connector Color | YELLOW



Connector No.



Signal Name	ı	1
Color of Wire	LG	^
Terminal No.	1	2

SHIELD

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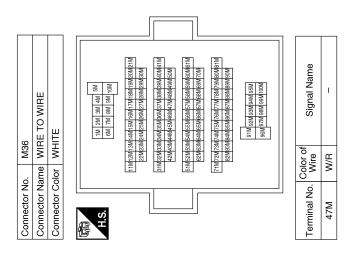
Signal Name	1	1	1	
Color of Wire	g	н	SHIELD	
Color of Wire	-	2	8	

_								
	11 10 9 8 7 6 5 4 3 2 1 31 30 29 28 27 26 25 24 23 22 21	Signal Name	GROUND	RUN START	POWER GND	BUCKLE (SEATBELT) SW	AIRBAG CONT	PASS SEATBELT
	5 14 13 12 11 5 34 33 32 31	Color of Wire	GR	W/G	В	>	SB	ГG
H.S.	20 19 18 17 16 15 40 39 38 37 36 35	Terminal No.	13	16	23	24	37	40

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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >



Connector No.	Š.		М	M35						
Connector Name	Nar	πe			SA	BE	N N	AIR BAG DIAGNOSIS SENSOR UNIT	SIS	
Connector Color	응	or		╗	YELLOW	>				
僵			H	$ \rangle$	I N	W	厅		Ę	
H.S.	ω	6	7	9	X		2	5 4	3	
				n		7			Ī	
	19	52		52	23		2	24 22		
	18 51	5		53	8	29	25		-	

Terminal No.	Color of Wire	Signal Name
-	W/R	IGN
2	В	GND
3	H/Y	DR1 (+)
4	>	DR1/DR2 (-)
5	Y/G	DR2 (+)
9	Y/R	AS1 (+)
7	Y/G	AS1 (-)
8	Y/B	AS2 (+)
6	>	AS2 (-)
18	M	ECZS (+)
19	В	ECZS (-)
22	SHIELD	GND
23	SB	AIRBAG W/L
24	LG	SEATBELT REMINDER
25	BG	CUT OFF TELLTALE
51	LG	DOOR SENS RH (+)
52	^	DOOR SENS RH (-)
53	ŋ	DOOR SENS LH (+)
54	Œ	DOOR SENS LH (-)
69	Г	CAN-H
09	Ы	CAN-L

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





Signal Name	I	ı	1
Color of Wire	Υ	Y/G	Y/R
Terminal No.	23	28	30
	Color of Wire	Color of Wire	Color of Wire Y Y/G

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Connector No. M77 FRONT PASSENGER AIR Connector Name BAG MODULE (SERVICE REPLACEMENT) FEPLACEMENT) FEPLACEMENT	Connector No. M105 Connector Name FRONT PASSENGER AIR BAG MODULE Connector Color YELLOW H.S. Color of Signal Name 1 Y/R - 2 Y/G -
Wire Signal Name V –	ime DRIVER AIR BAG MODULE lor ORANGE Color of Signal Name R - W W
Terminal No. Co.	Connector No. Connector Color Connector Color H.S. 4 V
Connector No. M40 Connector Name WIRE TO WIRE Connector Color WHITE 10 20 30 40 50 50 50 50 50 50 50 50 50 50 50 50 50	Connector No. M101 Connector Name DRIVER AIR BAG MODULE Connector Color YELLOW Terminal No. Wire Signal Name 1 Y

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M106	Connector No. E29 Connector Name WIRE TO WIRE Connector Color YELLOW	H.S. 1 2 3 4	al No. Wire Signa	S SHIELD -	4 W –	Connector No. B12	Connector Name SEAT BELT BUCKLE SWITCH LH	Connector Color WHITE	H.S.	Terminal No. Color of Signal Name Wire	1 BG -	2 B -				
HE CHARA SA		ψ.	Color of Wire	В			l	\vdash	ν.	Color of Wire	>	Y/B				
	M106 FRONT PASSE AIR BAG MODU ORANGE		of Signal	Y/B – – Y		Connector No. B9	Connector Name AIR BAG DIAGNOSIS SENSOR UNIT	Connector Color YELLOW	30 50 49 56 49 56	Color of Signal Name					SATELLI	

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Connector No. B38	Connector Name LH SIDE CURTAIN AIR BAG MODULE	Connector Color YELLOW	H.S.	Terminal No. Color of Signal Name	<u>-</u> -	2 Y/G -	Connector No. B78	Connector Name WIRE TO WIRE	Connector Color YELLOW	斯 H.S.	Terminal No. Color of Signal Name	1 Y/B -	2 \		
2	LH SIDE AIR BAG (SATELLITE) SENSOR	YELLOW		Signal Name	1	I	Signal Name		ı						
). B15		\vdash		Color of Wire	BR	7	Color of	ם A	>						
Connector No.	Connector Name	Connector Color	原。 H.S.	Terminal No.	-	2	Terminal No.		501						
B14	Connector Name PRE-TENSIONER	Connector Color YELLOW		Color of Signal Name		Y/B –		Connector Name WIRE TO WIRE	Connector Color WHITE	8 2 11 8 2 10	300 291 282 277 265 255 244 233 222 441 A01 301 301 301 301 301 301 301 301 301 3		611 600 590 581 577 561 550 541 533 522 513 700 691 681 671 661 651 641 631 623	81.1 80.1 78.1 77.1 78.1 75.1 74.1 73.1 72.1 77.1 90.1 89.1 88.1 87.1 88.1 88.1 88.2 87.1 88.2	95) 150 15
Connector No.		1,8		Terminal No.		$\overline{}$	Connector No.	Š	႘						

						_
14	RH SIDE AIR BAG (SATELLITE) SENSOR	YELLOW		Signal Name	ı	1
). B114				Color of Wire	*	<u>د</u>
Connector No.	Connector Name	Connector Color	副 H.S.	Terminal No.	-	٥

Signal Name	C-RH1 (+)	C-RH1 (-)	SATELLITE RH (+)	SATELLITE RH (-)	GND
Color of Wire	\	A/B	Μ	В	SHIELD
Terminal No.	35	36	47	48	55

connector No. B113 Connector Name AIR BAG DIAGNOSIS SENSOR UNIT Connector Color YELLOW SS SS 31 32 H.S. SS 47 48 28 11 10		
Onnector Name AIR BAG DIAGNOSIS SENSOR UNIT Onnector Color YELLOW SS SS 71 22 H.S. H.S. The state of the second secon		B113
YELLOW 36 29 25 47 48 29 29 29 29 29 29 29 29 29 29 29 29 29	nnector Name	AIR BAG DIAGNOSIS SENSOR UNIT
SS		YELLOW
	\(\doldsymbol{\dol	26 29 31 32 26 47 48 29 29 29 29 29 29 29 29 29 29 29 29 29

<u>89</u>	AIR BAG DIAGNOSIS SENSOR UNIT	YELLOW	31 32 34 48 29 11 10	Signal Name	P-RH1 (+)	P-RH1 (-)	
. B113			88 88 88 88 88	Color of Wire	У	Y/G	
Connector No.	Connector Name	Connector Color	H.S.	Terminal No.	10	=	

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RH BUCKLE SW INPUT

S-RH1 (+)

Y/B

26 31 31

S-RH1 (-)

ODS INPUT

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SEAT BELT BUCKLE SWITCH RH WHITE B110 me Connector No. Connector Name

Connector Nar Connector Col	SH.
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是 H.S.H	

Signal Name

Color of Wire

Terminal No.

Signal Name

Color of Wire

Terminal No.

Y/B >

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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

Connector No. B137 Connector Name BELT TENSION SENSOR (CREW CAB) Connector Color WHITE	Terminal No. Wire Color of Wire Signal Name 1 LG - 2 G - 3 L -	Connector No. B154 Connector Name WIRE TO WIRE Connector Color WHITE
Connector No. B127 Connector Name PRE-TENSIONER (CREW CAB) Connector Color YELLOW	Terminal No. Wire Signal Name 1 Y - 2 Y/G -	Terminal No. Color of Signal Name 47M W/R –
Connector No. B126 Connector Name FRONT RH SIDE AIR BAG MODULE Connector Color YELLOW	Terminal No. Color of Wire Signal Name 1 Y/B	Connector No. B149

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< WIRING

	٩G	K	\M >							
	TO WIRE	E	6 2 1	Signal Name	I	I	ı	1	_	1
B310	ne WIRE	or WHIT	4 8	Solor of Wire	B/∀	0	W/A	В	Α/W	Y/B
Connector No.	Connector Name WIRE TO WIRE	Connector Color WHITE	H.S.	Terminal No. Wire	-	2	4	5	9	8
	TO WIRE	ш	11 12 14 15 16 7	Signal Name	ı	ı	1	ı	ı	ı
B303	e WIRE	or WHITE	9 10	color of Wire	В/Y	0	M/V	В	W/Y	Y/B
Connector No.	Connector Name WIRE TO WIRE	Connector Color WHITE	H.S.	Terminal No. Wire	-	2	ဇ	8	6	10

Signal Name

Color of Wire Y/B

Terminal No.

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Connector Name WIRE TO WIRE Connector Color YELLOW

Connector No. B157

Terminal No. Wire	Color of Wire	Signal Name
7	SB	PS 5V
8	_	1
6	M/R	IGN
10	ı	ı
11	-	1
12	ı	1
13	ı	ı
14	G	BTS GND
15	0	PS GND
16	LG	BTS 5V
17	-	1
18	Y/B	COMMUNICATION

2	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT	CK	6 5 4 3 2 1 1 10 15 14 13 12 11 10	Signal Name	ı	-	1	BTS SIGNAL	GND	De elenai
. B352		lor BLACK	9 8 7 18 17 16	Color of Wire	1	_	ı	7	В	>
Connector No.	Connector Name	Connector Color	H.S.	Terminal No.	-	2	က	4	5	u

6	WIRE TO WIRE	TE TE	2 0 0 r 4 0 0	Signal Name	ı	ı	ı	1	ı	1
. B349		lor WHITE		Color of Wire	Ō	Y/B	W/R	В	LG	Т
Connector No.	Connector Name	Connector Color	是 H.S.	Terminal No.	-	2	4	5	9	8

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SRC-73 Revision: August 2014 2015 Frontier NAM Α

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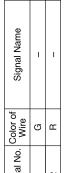
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COLLIBERTOL INC.	חוח
Connector Name	Connector Name FRONT DOOR SATELLITE
	SENSOR LH
Connector Color YELLOW	YELLOW









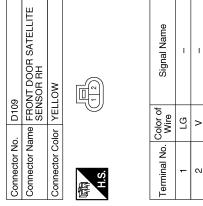


D5	VIRE TO WIRE	'ELLOW	
Connector No.	Connector Name WIRE TO WIRE	Connector Color YELLOW	



Signal Name	ı	-	1	
Color of Wire	ŋ	В	SHIELD	
Terminal No. Wire	1	7	3	

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D109	
nector No.	







Color of Wire	LG	۸	
Terminal No.	1	2	

	T ATION ENSOR		
B353	OCCUPANT CLASSIFICATION SYSTEM SENSOR	BLACK	
Connector No.	Connector Name CLASSIFICATION SYSTEM SENSOF	Connector Color BLACK	







Signal Name	_	ı	1	
Color of Wire	SB	>	0	
Terminal No.	1	2	3	

Connector No.	D103
Connector Name WIRE TO WIRE	WIRE TO WIRE
Connector Color YELLOW	YELLOW
E	1 2 3 4



Signal Name	_	_	_	
Color of Wire	LG	۸	SHIELD	
Terminal No. Wire		2	3	

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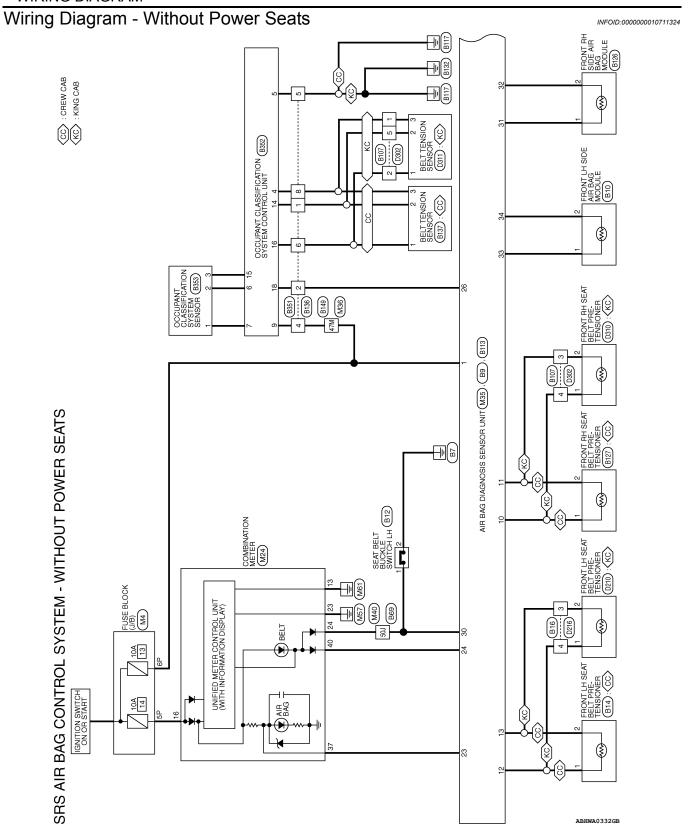
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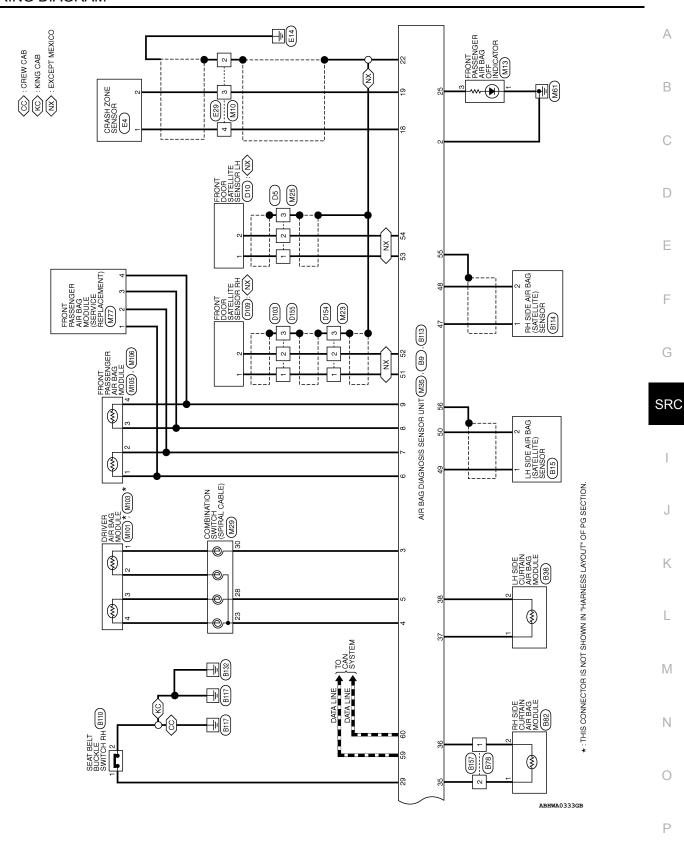
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Signal Name	1	I	I
Color of Wire	ГG	^	SHIELD
Terminal No. Color of Wire	1	2	3

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Connector Name FRONT PASSENGER AIR BAG OFF INDICATOR

M13

Connector No.

BROWN

Connector Color

SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITHOUT POWER SEATS

Name FUSE BLOCK (J/B)	No.	M4
Olor WHITE	ame	FUSE BLOCK (J/B)
7P 6P 5P 4P 3P 2P 1P 18P 1SP 14P 13P 2P 1P	olor	WHITE
7P 6P 5P 4P		
	7P 6P 16P 15P	9 5P 4P 7 3P 2P 1P

Signal Name	-	_
Color of Wire	W/G	W/R
Terminal No.	5P	6P

	WIRE TO WIRE	YELLOW		Signal Name	1	
M10		or YEL	4	Color of Wire	SHIELD	٥
Connector No.	Connector Name	Connector Color	H.S.	Terminal No.	2	c

Signal Name	I	1	I
Color of Wire	SHIELD	В	Μ
Terminal No.	2	3	4

Signal Name

Color of Wire BG BG

Terminal No.

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Signal Name	ı	-	I	
Color of Wire	SHIELD	В	Μ	
Terminal No. Wire	2	3	4	

M25	WIRE TO WIRE	YELLOW	
Connector No.	Connector Name WIRE TO WIRE	Connector Color YELLOW	

M23

Connector No.

CZIVI	WIRE TO WIRE	YELLOW	4 3 2 1
COLLINECTOR INC.	Connector Name WIRE TO WIRE	Connector Color YELLOW	副 H.S.

Signal Name	I	ı	_
Color of Wire	ŋ	œ	SHIELD
Terminal No.	-	2	ε
	•		

	M24 COMBINATION METER	WHITE		11 10 9 8 7 6 5 4 3 2 1 31 30 29 28 27 26 25 24 23 22 21	Signal Name	GROUND	RUN START	POWER GND	BUCKLE (SEATBELT) SW	AIRBAG CONT	
H	٩	_	 	8 2 2	Color of Wire	GR	W/G	В	>	SB	
	Connector No.	Connector Color	原 H.S.	20 19 18 17 16 15 14 40 39 38 37 36 35 34	Terminal No.	13	16	23	24	37	

Collingation 140.		2	
Connector Name		WIRE TO WIRE	111
Connector Color	lor	YELLOW	
斯 H.S.		2 8 1 1 1	
Terminal No.	Color of Wire		Signal Name
1	٦В		1
2	۸		-
8	SHIELD		1

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PASS SEATBELT

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SEATBELT REMINDER
CUT OFF TELLTALE
DOOR SENS RH (+)
DOOR SENS LH (+)
DOOR SENS LH (+)

Bg LG

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25 52 53 53 60 60

CAN-L

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AIRBAG W/L

SB

GND

SHIELD

ECZS (+) ECZS (-)

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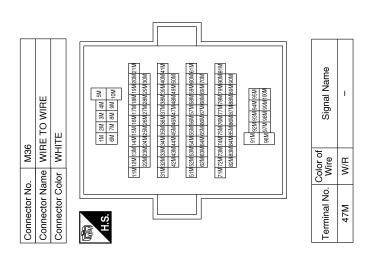
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AS2 (-)

>

AS1 (-) AS2 (+)

< WIRING DIAGRAM >





Signal Name	N9I	GNÐ
Color of Wire	W/R	В
Terminal No. Wire	ļ	2

DR1/DR2 (-)

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ω 4

DR2 (+)

Y/G //B //B //B

0 2

AS1 (+)

DR1 (+)

M29	Connector Name COMBINATION SWITCH (SPIRAL CABLE)	YELLOW	22 23 30 30
Connector No.	Connector Name	Connector Color YELLOW	H.S.

Signal Name	1	I	I
Color of Wire	Υ	Y/G	Y/R
Terminal No.	23	28	30

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	DRIVER AIR BAG MODULE YELLOW			Signal Name	1	ı							9,	FRONT PASSENGER AIR BAG MODULE	ORANGE	43	Signal Name	1	1
. M101		<u>\</u>		Color of Wire	>	_							. M106		+		Color of Wire	Y/B	>
Connector No.	Connector Name		H.S.	Terminal No.	-	2							Connector No.	Connector Name	Connector Color	原列 H.S.	Terminal No.	8	4
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	FRONT PASSENGER AIR BAG MODULE (SERVICE REPLACEMENT)	YELLOW	21	Signal Name	1	ı	1 1						15	FRONT PASSENGER AIR BAG MODULE	YELLOW	211	Signal Name	I	1
M77		-	443	Color of Wire	Y/R	Y/G	% ×						M105		+		Color of Wire	Y/R	J/K
Connector No.	Connector Name	Connector Color	是 H.S.	Terminal No.	-	2	ω 4						Connector No.	Connector Name	Connector Color	高 H.S.	Terminal No.	-	2
		F								- 71									
	E TO WIRE		1.0 2.1 3.3 4.0 5.0 6.1 7.1 8.0 9.0 10.0		31.3 32.1 33.1 34.1 35.1 36.1 37.1 38.1 39.1 40.1 41.1 42.1 43.1 44.1 45.1 46.1 47.1 48.1 49.1 50.1		51J 52J 53J 54J 55J 56J 57J 58J 59J 60J 61J 62J 63J 64J 65J 66J 67J 68J 69J 70J	71.1 72.1 73.1 74.1 75.1 76.1 77.1 78.1 78.1 80.1 81.1 82.1 82.1 83.1 83.1 83.1 83.1 83.1 83.1 83.1 83	91J 92J 93J 94J 95J 96J 97J 98J 99J 100J		Signal Name	ı	3	DRIVER AIR BAG MODULE	וועמב		Signal Name	1	1
. M40	me WIRE 1			22) 23	31.) 32.) 33		51J 52J 55 62J 63	71.0 72.0 73			Color of Wire	>	. M103	me DRIN		4	Color of Wire	ш	>
Connector No.	Connector Name WIRE TO WIR		H.S.								Terminal No.	507	Connector No.	Connector Name DRIVER AIR B	COLINECTOR CO	用.S.	Terminal No.	က	4
																	ABI	HIAO:	9916

< WIRING DIAGRAM >

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AIR BAG DIAGNOSIS SENSOR UNIT VELLOW 33 34 38 37 33 30 56 49 56	Signal Name P-LH1 (+) P-LH1 (+) P-LH1 (-) S-LH1 (+) S-LH1 (+) S-LH1 (+) C-LH1 (+) C-LH1 (-) SATELLITE LH (+) GND	FRONT LH SEAT BELT PRE-TENSIONER (CREW CAB) YELLOW	Signal Name	В
o ge	Mire Mire		Color of Wire Y/B	D
Connector No. Connector Name Connector Color H.S.	Terminal No. 12 13 30 33 34 34 37 37 38 38 56 56	Connector No. Connector Name Connector Color	Terminal No.	E
				F
WIRE TO WIRE YELLOW	Signal Name	B12 SEAT BELT BUCKLE SWITCH LH WHITE	Signal Name	G SRC
	Color of Wire SHIELD B		Color of Wire BG B	
Connector No. Connector Color Connector Color	Terminal No.	Connector No. Connector Name Connector Color	Terminal No.	J
				K
E4 CRASH ZONE SENSOR YELLOW	Signal Name	B10 FRONT LH SIDE AIR BAG MODULE YELLOW	Signal Name	L
	Color of Wire W		Color of Wire Y/B	
Connector No. Connector Name Connector Color	Terminal No.	Connector No. Connector Name Connector Color	Terminal No.	N O

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SRC-81 2015 Frontier NAM Revision: August 2014

Connector Name LH SIDE CURTAIN AIR BAG MODULE Connector Color YELLOW MH.S.	Signal Name Terminal No. Wire Wire T Y 2 Y/G	Signal Name Connector Name WIRE TO WIRE Connector Color YELLOW Mire Terminal No. Wire 1 Y/B - 2 Y -
Connector Name WIRE TO WIRE Connector Color WHITE H.S. 4 3 2 1	Terminal No. Color of Sign Wire 3 Y/B 4 Y	Terminal No. Color of Sign Sign Solution of Solution o
H1S IN THE SENSOR YELLOW TELLOW	or of Signal Name	B69 WIRE TO WIRE Su 41 31 21 13 13 13 13 13 1
Connector Name Connector Color	Terminal No. Color of Wire 1 BR 2 Y	Connector No. B69 Connector Name WIRE TO WIRE Connector Color WHITE \$\begin{array}{ c c c c c c c c c c c c c c c c c c c

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	B110
Connector Name	Connector Name SEAT BELT BUCKLE SWITCH RH
Connector Color WHITE	WHITE
原 H.S.	2 8 9 1 2 2

0	SEAT BELT BUCKLE SWITCH RH	ITE	2 2 8	Signal Name	1	ı
חום		or WHITE	4	Color of Wire	Γ	В
COILLECTOL NO.	Connector Name	Connector Color	H.S.	Terminal No.	1	2
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,	WIRE TO WIRE	WHITE	2 8 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Signal Name	I	I	ı	-	I
) 			4 8	Color of Wire	Г	ГG	Y/G	У	G
COLLINECTOR INC.	Connector Name	Connector Color	明.S.	Terminal No.	-	2	က	4	5

	RH SIDE CURTAIN AIR BAG MODULE	YELLOW		Signal Name	1	1
. B82				Color of Wire	\	Y/B
Connector No.	Connector Name	Connector Color	雨 H.S.	Terminal No.	-	2

Connector No.). B114	14
Connector Name		RH SIDE AIR BAG (SATELLITE) SENSOR
Connector Color	olor YE	YELLOW
原 H.S.		
Terminal No. Wire	Color of Wire	Signal Name
-	8	I
6	α	

Signal Name	ODS INPUT	RH BUCKLE SW INPUT	S-RH1 (+)	S-RH1 (-)	C-RH1 (+)	C-RH1 (-)	SATELLITE RH (+)	SATELLITE RH (-)	GND
Color of Wire	A/B	٦	A/B	Å	Å	Y/B	Μ	В	SHIELD
Terminal No.	26	58	31	32	38	36	47	48	55

1 1 10 00 11 10
-1 40 74

55 47 48 29 11 10	Signal Name	P-RH1 (+)	P-RH1 (-)
35 36	Color of Wire	\	Y/G
HS.	Terminal No.	10	11

Sign	P.	P-	
Color of Wire	\	5//G	
Terminal No.	10	11	

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WIRE TO WIRE		Signal Name	I	1	1	1	ı	1		Signal Name	1										
	4 8 7 2 8 6 8	Color of Wire	ŋ	Y/B	M/R	В	LG		Color of	Wire	M/R										
Connector Name Connector Color	师 H.S.	Terminal No.	1	2	4	5	9	8		Terminal No.	47M										
							I					Г									
FRONT RH SEAT BELT PRE-TENSIONER (CREW CAB)		Signal Name	1	1						WIRE TO WIRE	Щ		4M 3M 2M 1M	10M 9M 8M 7M 6M	21M20M19M18W17M16M15M14M13M12M11M	30M/29M/28M/27M/26M/25M/24M/23M/22M	41M40ฟเวยฟเวยฟเวรฟเวรฟเวรฟเวสฟเวรฟเวรฟเว	50M49M48M47M46M45M44M43M42M	61M60MS9M58M57M86M55M54M53M52M51M 70M89M68M67M66M65M63M62M	BTMBOM/79M/78M/77M/76M/75M/74M/73M/72M/71M 90M/89M/89M/87M/86M/85M/82M	95M 94M 93M 92M 91M
	olor YELLOW	Color of Wire	\	Y/G					D. B149		-		PW9	10V	21M20M19M1	30M29M2	41M40M39M3	50M49M4	61M60M59M8 70M69M6	81M80M79M18	95
Connector Name	Connector Color	Terminal No.	-	2					Connector No.	Connector Name	Connector Color	Į ą	·British								
	7											7									
BIZO FRONT RH SIDE AIR BAG MODULE YELLOW		Signal Name	-	1						BELT TENSION SENSOR	:W CAB) TE					Signal Name	ı	ı	1		
	-	Color of Wire	Y/B	>). B137			_	Ľ <u>-</u>		Color of	Wire	LG	ŋ	_		
Connector Name Connector Color	南 H.S.	Terminal No.	1	2					Connector No.	Connector Name	Connector Color		雪	H.S.		Terminal No.	-	2	ဇ		
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onnector No.	, B353	က္
onnector Name	occ	OCCUPANT CLASSIFICATION SYSTEM SENSOR
onnector Color	lor BLACK	CK
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erminal No.	Color of Wire	Signal Name
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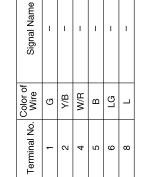
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Connector No.	Connector Name



Color of Color of Wire 1 SB 2 Y 3 O	Signal Nam	ı	I	
	Color of Wire	SB	\	0
		1	2	3

B351	WIRE TO WIRE	WHITE	
Connector No.	Connector Name WIRE TO WIRE	Connector Color	





Signal Name	IGN	I	I	ı	I	BTS GND	PS GND	BTS 5V	ı	COMMUNICATION
Color of Wire	W/R	ı	_	ı	1	G	0	LG	ı	A/B
Terminal No. Wire	6	10	11	12	13	14	15	16	17	18

6 5 4 3 2 1	15 14 13 12 11 10		Signal Name	_	ı	-	BTS SIGNAL	GND	PS SIGNAL
7	16		olor of Wire						
8	17		olor o Wire				_	В	>

Connector No.	B157
Connector Name WIRE TO WIRE	WIRE TO WIRE
Connector Color	YELLOW



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



> ပို Terminal No. Ø က 2 9

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SB

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Connector Name CLASSIFICATION SYSTEM CONTROL UNIT

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Connector No.

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Connector Color

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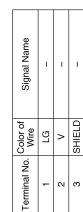
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< WIRING DIAGRAM >



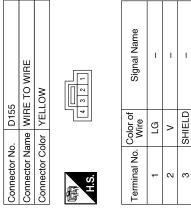
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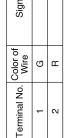


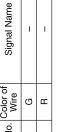
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Connector Color | YELLOW

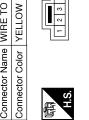
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Connector No.









Signal Nam	ı	ı	-	
Color of Wire	LG	>	SHIELD	
Terminal No.		2	3	



Connector No.



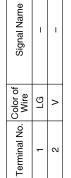


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Connector No.







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< WIRING DIAGRAM >

Connector No.		22
Connector Name		WIRE TO WIRE
Connector Color		WHIITE
	- 6	2 0 0 x 7 x 8 x 8 x 8 x 8 x 8 x 8 x 8 x 8 x 8
Terminal No.	Color of Wire	Signal Name
	_	1
	ГG	1
	Y/G	1
	>	1
5	g	1

D216	WIRE TO WIRE	WHITE	- 0 0 0 0 0 4 0	Color of
Connector No.	Connector Name	Connector Color	offin	Colc

4 8 7	Signa		
- G	Color of Wire	Y/G	>
南 H.S.	Terminal No.	က	4

Connector No.). D210	10
Connector Name		FRONT LH SEAT BELT PRE-TENSIONER (KING CAB)
Connector Color		YELLOW
H.S.		2 1
Terminal No.	Color of Wire	Signal Name
-	>	ı
2	Y/G	1

Connector Name		BELT TENSION SENSOR (KING CAB)
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(中) H.S.		2 3
	J	
Terminal No.	Color of Wire	Signal Name
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01	FRONT RH SEAT BELT PRE-TENSIONER (KING CAB)	YELLOW		Signal Name	-	I
. D310		lor YE		Color of Wire	Υ	Y/G
Connector No.	Connector Name	Connector Color	H.S.	Terminal No.	1	2
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SYMPTOM DIAGNOSIS

SRS AIR BAG SYSTEM

"AIR BAG" Warning Lamp Does Not Turn Off

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DIAGNOSTIC PROCEDURE

${f 1}$.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 <u>SR-4</u>, "For Frontal Collision" or <u>SR-6</u>, "For Side and Rollover Collision".

NO >> GO TO 2.

2.CHECK THE AIR BAG FUSE

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

Is the fuse blown?

YES >> GO TO 3.

NO >> GO TO 4.

3.CHECK AIR BAG FUSE AGAIN

Replace 10A fuse [No. 13, 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.

Is "AIR BAG" displayed on CONSULT?

YES >> GO TO 5.

NO >> Visually inspect the air bag diagnosis sensor unit harness connections. If the connections are OK, replace the air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation".

5. CHECK HARNESS CONNECTION

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

Are there any loose connections?

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

NO >> Replace air bag diagnosis sensor unit. Refer to <u>SR-22, "Removal and Installation"</u>.

"AIR BAG" Warning Lamp Does Not Turn On

INFOID:0000000010711326

DIAGNOSTIC PROCEDURE

1. CHECK METER FUSE

Check the 10A fuse [No. 14, located in the fuse block (J/B)].

Is the fuse blown?

YES >> GO TO 2.

NO >> GO TO 3.

2.REPLACE METER FUSE AND CHECK AGAIN

Replace 10A fuse [No. 14, 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 combina-

SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

TION METER

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

<u>Do the harness or connectors have any visible damage?</u>

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 <u>SR-22</u>, "Removal and Installation".

NO >> Replace the combination meter. Refer to MWI-91, "Removal and Installation".

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Revision: August 2014 SRC-89 2015 Frontier NAM

PASSENGER SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS >

PASSENGER SEAT BELT WARNING SYSTEM

Seat Belt Warning System Does Not Function

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1.SEAT BELT WARNING LIGHT

Turn ignition switch ON.

Does the seat belt warning lamp come ON?

YES >> GO TO 2.

NO

- >> Check 10A fuse [No. 14, located in the fuse block (J/B)].
 - · Check seat belt buckle switch LH.
 - · Check harness between combination meter and seat belt buckle switch LH.
 - Check combination meter. Refer to MWI-40, "Fail Safe".

2. SEAT BELT BUCKLE LH

Fasten the seat belt buckle LH.

Does the seat belt warning lamp go OFF?

YES >> GO TO 3.

NO

- >> Check seat belt buckle switch LH.
 - · Check harness between combination meter and seat belt buckle switch LH.

3. OCCUPANT CLASSIFICATION SYSTEM

Have a helper sit in the passenger seat.

Does the seat belt warning lamp go ON?

YES >> GO TO 4.

NO

- >> Check occupant classification system. Refer to SRC-10, "Occupant Classification System (OCS)".
 - · Check harness between occupant classification control unit and air bag diagnosis sensor unit.

4. SEAT BELT BUCKLE RH

Fasten the seat belt buckle RH.

Does the seat belt warning lamp go OFF?

YES >> System OK.

NO

- >> Check seat belt buckle switch RH.
 - Check harness between seat belt buckle switch RH and air bag diagnosis sensor unit.
 - Replace air bag diagnosis sensor unit. Refer to SR-22, "Removal and Installation".

PRECAUTION

PRECAUTIONS

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

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. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

WARNING:

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

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

WARNING:

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

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

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- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect both battery cables and wait at least 3 minutes.
 - For approximately 3 minutes after the cables are removed, it is still possible for the air bag and seat belt pretensioner to deploy. Therefore, do not work on any SRS connectors or wires until at least 3 minutes have 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.

Occupant Classification System Precaution

Replace occupant classification system control unit and passenger front seat cushion as an assembly.

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