SRS AIRBAG CONTROL SYSTEM

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DIAGNOSIS AND REPAIR WORK FLOW

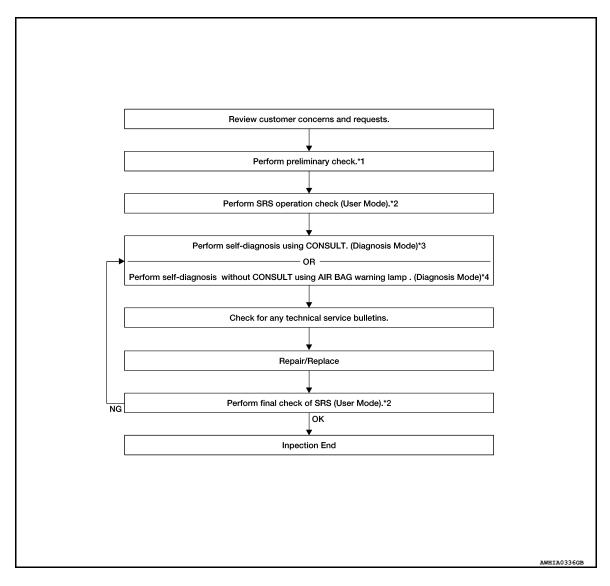
< BASIC INSPECTION >

BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

OVERALL SEQUENCE



^{*1} SRC-13, "Trouble Diagnosis Introduction"

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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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^{*2} SRC-13, "SRS Operation Check"

^{*3} SRC-15, "CONSULT Function (AIR BAG)"

^{*4} SRC-15, "Self-Diagnosis Function (Without CONSULT)"

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

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INTERMITTENT TROUBLE

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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

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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?

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

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

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SYSTEM DESCRIPTION

SRS AIR BAG SYSTEM

SRS Configuration

INFOID:0000000009479950 Front passenger Crash zone air bag module sensor Driver air bag Occupant classification module Seat belt buckle Seat belt buckle switch RH switch LH Front LH seat belt Front RH seat belt pre-tensioner pre-tensioner LH side air bag RH side air bag (satellite) sensor (satellite) sensor Air bag diagnosis sensor unit (G sensor for front (G sensor for front • Auxiliary power source (condenser) RH side air bag) LH side air bag) Drive circuit • G sensor Front RH side air bag Front LH side air bag (for driver and front passenger air module bags, front seat belt pre-tensioner) module · Safing sensor (for driver and front passenger air bags, front seat belt pre-tensioner) RH side curtain LH side curtain Safing sensor air bag module air bag module (for front side air bag and side curtain air bag module)

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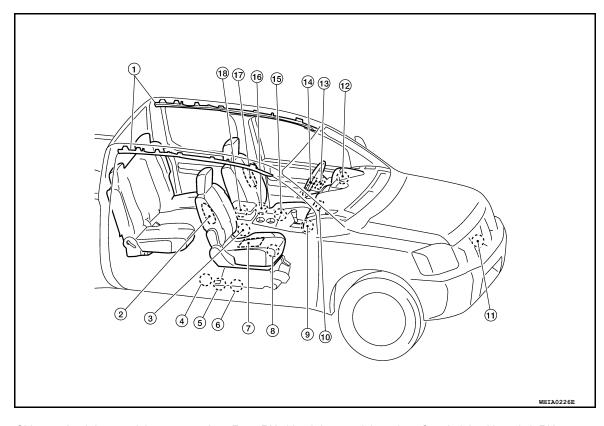
The collision modes for which supplemental restraint systems are activated are different among the SRS systems. For example, the driver air bag module, front passenger air bag module and front seat belt pre-tensioners are activated in a frontal collision but not in a side collision.

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	_	_	x
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

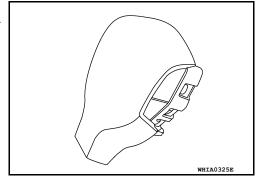
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- 1. Side curtain air bag modules
- 4. Front RH seat belt pre-tensioner
- Occupant classification system sen- 8. sor
- 10. Front passenger air bag module
- 13. Spiral cable
- 16. Front LH seat belt pre-tensioner
- 2. Front RH side air bag module
- 5. Belt tension sensor
- 8. Occupant classification system 9. control unit
- 11. Crash zone sensor
- 14. Driver air bag module
- 17. Front LH side air bag module
- 3. Seat belt buckle switch RH
- 6. RH side air bag (satellite) sensor
- Front passenger air bag off indicator
- 12. Air bag warning lamp
- 15. LH side air bag (satellite) sensor
- 18. Air bag diagnosis sensor unit

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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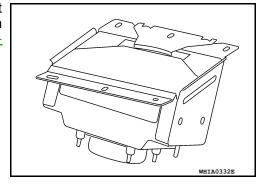
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Front Passenger Air Bag Module

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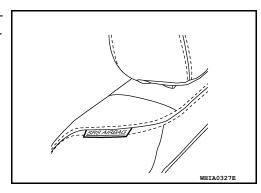
The front passenger air bag module is located behind the instrument panel assembly. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to SRC-10, "Occupant Classification System (OCS)" for more information.



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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.



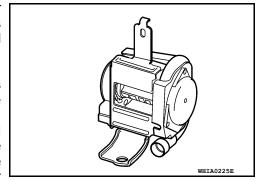
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Front Seat Belt Pre-tensioner with Load Limiter

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.



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SRS AIR BAG SYSTEM

< SYSTEM DESCRIPTION >

Direct-connect SRS Component Connectors

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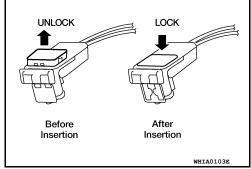
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The following SRS components use direct-connect style harness connectors.

- · 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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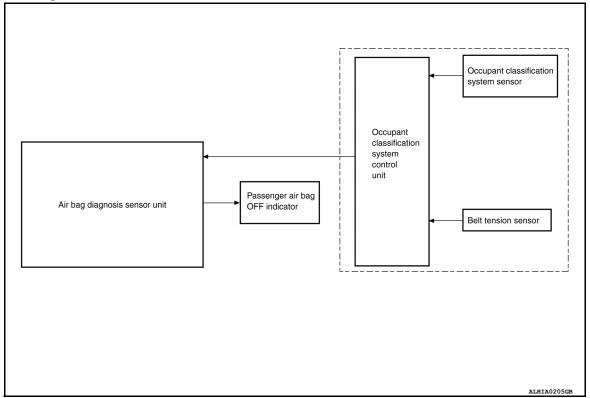
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OCCUPANT CLASSIFICATION SYSTEM

System Diagram

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Occupant Classification System (OCS)

INFOID:0000000009479959

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

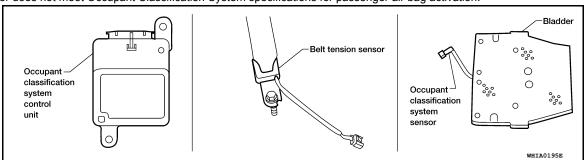
Front Passenger Seat (Condition)	PASS AIR BAG OFF Indicator (Status)	Passenger Air Bag Status (Readiness)	CONSULT Display
Seat occupied	OFF	Active (enabled)	ON
Seat occupied NOTE	ON	Deactivated (disabled)	OFF
Seat empty	OFF	Deactivated (disabled)	OFF

NOTE:

OCCUPANT CLASSIFICATION SYSTEM

< SYSTEM DESCRIPTION >

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



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PASSENGER SEAT BELT WARNING SYSTEM

< SYSTEM DESCRIPTION >

PASSENGER SEAT BELT WARNING SYSTEM

System Diagram

Seat belt buckle switch (driver seat)

Seat belt buckle switch (passenger seat)

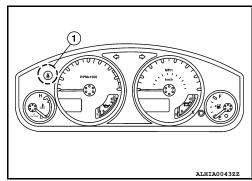
Seat belt buckle switch (passenger seat)

System Description

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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 occupied	Seat unoccupied			Off
	_	Unbuckled	_	On

Component Parts Location

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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 connectors.
- Do not attempt to repair, splice or modify SRS wiring harnesses. If a harness is damaged, replace it with a new one.
- Keep ground connections clean.

DIAGNOSIS FUNCTION

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

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:0000000009479964

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.
- 2. Compare the SRS air bag warning lamp blinking pattern with the examples.



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< SYSTEM DESCRIPTION >

RS 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. SHIA0012E	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 SR-3, "For Frontal Collision" or SR-5, "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-83, ""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-83, ""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-57, "Trouble Diagnosis without CONSULT".

CONSULT Function (AIR BAG)

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

AIR BAG diagnostic mode Description A current Self-diagnosis result (also indicated by the number of warning lamp flashes in the Diagnosis SELF-DIAG [CURRENT] mode) is displayed on the CONSULT screen in real time. This refers to a malfunctioning part requiring repairs. Diagnosis results previously stored in the memory are displayed on the CONSULT screen. The stored SELF-DIAG [PAST] results will remain until memory erasing is executed. With TROUBLE DIAG RECORD, diagnosis results previously erased by a reset operation can be dis-TROUBLE DIAG RECORD played on the CONSULT screen. Air bag diagnosis sensor unit ECU discriminated number (identification number) or part number is dis-ECU DISCRIMINATED NO. played. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) or part number based on model and equipment. 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 PASSENGER AIR BAG air bag diagnosis sensor unit. Refer to SRC-10, "Occupant Classification System (OCS)" for more information.

Self-Diagnosis Function (Without CONSULT)

INFOID:0000000009479967

- 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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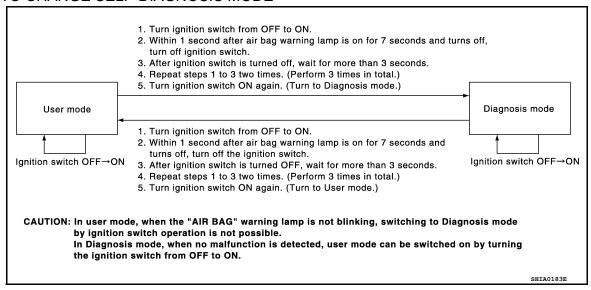
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< SYSTEM DESCRIPTION >

HOW TO CHANGE SELF-DIAGNOSIS MODE



DIAGNOSTIC PROCEDURE 3

Final Check of SRS Using CONSULT—Diagnosis Mode

- 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.
- Turn ignition switch OFF and then turn off and disconnect CONSULT.
- 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:000000009479968

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 <u>SRC-7</u>, "SRS Component Parts Location".

DTC Logic

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.	9,																
DRIVER AIRBAG MODULE	B1050	Driver air bag module circuit (DR1) is shorted to a power supply circuit (including the spiral cable).	6.		•	6. Replace the related harness.														•	
[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

- 1. 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.

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

- Turn ignition switch ON.
- 2. 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 <u>SRC-18</u>, "<u>Diagnosis Procedure</u>".

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009479970

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

- 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.

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 b	pag module	Spiral cable		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
M101	1		30		
WITOT	2	Mao	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		No
M103	3		INO
IVI TUS	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.
- Turn ignition switch ON.
- 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

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-23, "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.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.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 8.

NO >> Clear DTC. Inspection End.

8. RELATED HARNESS

Replace the related harness.

>> END

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Revision: May 2014 SRC-19 2014 Frontier

B1065 - B1068, B1070 - B1073 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B1065 - B1068, B1070 - B1073 PASSENGER AIRBAG MODULE

Description INFOID:0000000009479971

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

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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? YES >> Refer to SRC-21, "Diagnosis Procedure". NO >> Inspection End. Diagnosis Procedure INFOID:0000000009479973 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. 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? 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-23, "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. O.FRONT PASSENGER AIR BAG MODULE

- Replace the front passenger air bag module. Refer to <u>SR-15, "Removal and Installation"</u>.
- 2. 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:000000009479974

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:0000000009479975

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.	
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: May 2014 2014 Frontier SRC

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INFOID:0000000009479976

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 ${ t DTC}$

- 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

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".

AIR BAG DIAGNOSIS SENSOR UNIT

- Replace the air bag diagnosis sensor unit. Refer to SR-23, "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. SIDE AIR BAG MODULE LH

- 1. Replace the side air bag module LH.
- 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.

B1134 - B1137 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

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Revision: May 2014 SRC-25 2014 Frontier

B1129 - B1132 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B1129 - B1132 SIDE AIRBAG MODULE RH

Description INFOID:000000009479977

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

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.	2.	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.	4.	4. Replace the front RH side air bag module.
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.		

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-26, "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.

NO >> Refer to SRC-26, "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 <u>SRC-15</u>, "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 <u>SRC-26</u>, "<u>Diagnosis Procedure</u>".

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009479979

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

Revision: May 2014 SRC-26 2014 Frontier

B1129 – B1132 SIDE AIRBAG MODULE RH < DTC/CIRCUIT DIAGNOSIS > Visible damage to connector or terminal Loose terminal Α · Poor connection NOTE: All harness connectors should be inspected from the air bag diagnosis unit to the end component (including В 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. D 2.CONFIRM DTC Reconnect all harness connectors. Е 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 NOTE: **SRC** 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. 2. Check for DTC using CONSULT. K Is DTC still current? YES >> GO TO 5 NO >> Refer to GI-42, "Intermittent Incident". L ${f 5}.$ AIR BAG DIAGNOSIS SENSOR UNIT Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation". Turn ignition switch ON. 3. Check for DTC using CONSULT. Is DTC still current? >> GO TO 6 YES N 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.

/ .RELATED HARNESS

Replace the related harness.

Revision: May 2014 SRC-27 2014 Frontier

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B1129 - B1132 SIDE AIRBAG MODULE RH

>> END

B1150 - B1153 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B1150 – B1153 SIDE CURTAIN AIR BAG MODULE LH

Description INFOID:0000000009479980

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:0000000009479981

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.	
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-29, "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-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

Visually inspect all applicable harness connectors for the following:

SRC-29 Revision: May 2014 2014 Frontier SRC

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INFOID:0000000009479982

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 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

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. AIR BAG DIAGNOSIS SENSOR UNIT

- Replace the air bag diagnosis sensor unit. Refer to SR-23, "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.

$oldsymbol{6}.$ SIDE CURTAIN AIR BAG MODULE LH

- Replace the side curtain air bag module LH. Refer to <u>SR-18, "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.

B1150 - B1153 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

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B1145 - B1148 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B1145 – B1148 SIDE CURTAIN AIR BAG MODULE RH

Description INFOID:000000009479983

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

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.	1. 2.	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 modul 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

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-32, "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-32, "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 <u>SRC-15</u>, "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 <u>SRC-32</u>, "<u>Diagnosis Procedure</u>".

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009479985

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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B1145 – B1148 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS > Visible damage to connector or terminal Loose terminal Α · Poor connection NOTE: All harness connectors should be inspected from the air bag diagnosis unit to the end component (including В 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. D 2.CONFIRM DTC Reconnect all harness connectors. Е 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 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. K Is DTC still current? YES >> GO TO 5 NO >> Refer to GI-42, "Intermittent Incident". L ${f 5.}$ AIR BAG DIAGNOSIS SENSOR UNIT

Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation".

Turn ignition switch ON.

3. Check for DTC using CONSULT.

Is DTC still current?

>> GO TO 6 YES

NO >> Clear DTC. Inspection End.

6.SIDE CURTAIN AIR BAG MODULE RH

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

Is DTC still current?

YFS >> GO TO 7

NO >> Clear DTC. Inspection End.

/ .RELATED HARNESS

Replace the related harness.

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SRC-33 Revision: May 2014 2014 Frontier

B1145 - B1148 SIDE CURTAIN AIR BAG MODULE RH

>> END

B1086 - B1089 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

B1086 – B1089 SEAT BELT PRE-TENSIONER LH

Description INFOID:000000009479986

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:0000000009479987

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.	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.	 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-35, "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-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)". 2. 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.

Diagnosis Procedure

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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INFOID:0000000009479988

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 ${ t DTC}$

- 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

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".

AIR BAG DIAGNOSIS SENSOR UNIT

- Replace the air bag diagnosis sensor unit. Refer to SR-23, "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. SEAT BELT PRE-TENSIONER LH

- Replace the seat belt pre-tensioner LH. 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.

B1086 - B1089 SEAT BELT PRE-TENSIONER LH

< DTC/CIRCUIT DIAGNOSIS >

>> END

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B1081 - B1084 SEAT BELT PRE-TENSIONER RH

< DTC/CIRCUIT DIAGNOSIS >

B1081 – B1084 SEAT BELT PRE-TENSIONER RH

Description INFOID:000000009479988

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

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition	Repair order
PRE-TEN FRONT RH [OPEN]	B1081	RH seat belt pre-tensioner circuit is open.	 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.	 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

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-38, "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.

NO >> Refer to SRC-38, "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 <u>SRC-15</u>, "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 <u>SRC-38</u>, "<u>Diagnosis Procedure</u>".

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009479991

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 Α · Poor connection NOTE: All harness connectors should be inspected from the air bag diagnosis unit to the end component (including В 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. D 2.CONFIRM DTC Reconnect all harness connectors. Е 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 NOTE: **SRC** 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. K Is DTC still current? YES >> GO TO 5 NO >> Refer to GI-42, "Intermittent Incident". L ${f 5.}$ AIR BAG DIAGNOSIS SENSOR UNIT Replace the air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation". Turn ignition switch ON. 3. Check for DTC using CONSULT. Is DTC still current? YES >> GO TO 6 N NO >> Clear DTC. Inspection End. **6.**SEAT BELT PRE-TENSIONER RH Replace the seat belt pre-tensioner RH. Refer to SR-22, "Removal and Installation". 2. Turn ignition switch ON.

2. Charlefor DTC vaire CON

Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7

NO >> Clear DTC. Inspection End.

/ .RELATED HARNESS

Replace the related harness.

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B1081 - B1084 SEAT BELT PRE-TENSIONER RH

>> END

B1033 - B1035 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B1033 – B1035 CRASH ZONE SENSOR

Description INFOID:0000000009479992

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:000000009479993

DTC DETECTION LOGIC

With CONSULT

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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-41, "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.

NO >> Refer to SRC-41, "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-41, "Diagnosis Procedure".

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:0000000009479994

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.
- 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.

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. CRASH ZONE SENSOR

- 1. Replace the crash zone sensor. Refer to SR-20, "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.

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

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-23, "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.

/.RELATED HARNESS

Replace the related harness.

>> END

B1118 – B1120 SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B1118 – B1120 SATELLITE SENSOR LH

Description INFOID:0000000009479995

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:000000009479996

DTC DETECTION LOGIC

With CONSULT

CONSULT name	DTC	DTC detecting condition		Repair order	F
SATELLITE SENS LH	B1118	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 [COMM FAIL]	B1120	LH side air bag satellite sensor communication error.	4. 5	Replace the air bag diagnosis sensor unit. Replace the related harness.	G

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-43, "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-43, "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-43, "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:0000000009479997

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

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.
- 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 LH

- Replace the satellite sensor LH. 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 6

NO >> Clear DTC. Inspection End.

O.AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

YES >> GO TO 7

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> END

B1113 – B1115 SATELLITE SENSOR RH

< DTC/CIRCUIT DIAGNOSIS >

B1113 - B1115 SATELLITE SENSOR RH

Description INFOID:000000009479998

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:000000009479999

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-45, "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-45, "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-45</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:0000000009480000

SRC-45 Revision: May 2014 2014 Frontier

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

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. SATELLITE SENSOR RH

- 1. Replace the satellite sensor RH. Refer to SR-21, "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.

O.AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

YES >> GO TO 7

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> END

B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1XXX AIR BAG DIAGNOSIS SENSOR UNIT

Description INFOID:000000009480001

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:0000000009480002

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-47, "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-47, "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-47</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:0000000009480003

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.
- 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 $^{\mbox{NOTE}}.$

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. AIR BAG DIAGNOSIS SENSOR UNIT

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-23, "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:000000009480004

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:0000000009480005

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-49, "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-49, "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-49, "Diagnosis Procedure".

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

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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.
- 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

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".

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.

O.AIR BAG DIAGNOSIS SENSOR UNIT

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

Is DTC still current?

YES >> GO TO 7

NO >> Clear DTC. Inspection End.

7.RELATED HARNESS

Replace the related harness.

>> END

B1017 – B1022 OCCUPANT CLASSIFICATION SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

B1017 - B1022 OCCUPANT CLASSIFICATION SYSTEM

Description INFOID:000000009480007

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:0000000009480008

DTC DETECTION LOGIC

With CONSULT

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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
[0]	B1021				
OCCUPANT SENS [UNIT FAIL]	B1018	The OCS sensor mat is malfunctioning.			SR
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-52, "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-52, "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?

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B1017 - B1022 OCCUPANT CLASSIFICATION SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

YES >> Refer to SRC-52, "Diagnosis Procedure"

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009480009

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.
- 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

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".

REPLACE OCS CONTROL UNIT

- Replace the OCS control unit. Refer to <u>SR-25, "Removal and Installation"</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

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

Is DTC still current?

B1017 - B1022 OCCUPANT CLASSIFICATION SYSTEM

< DTC/CIRCUIT DIAGNOSIS > YES >> GO TO 7. NO >> Clear DTC. Inspection End. 7.RELATED HARNESS

Replace the related harness.

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>> END

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B1209 - B1211 COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

B1209 - B1211 COLLISION DETECTION

Description INFOID:000000009480010

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-3, "For Frontal Collision".
SIDE COLLISION DE- TECTION	B1210	Side and/or curtain air bag modules are deployed.	Refer to SR-5, "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.

2. CHECK SELF-DIAG RESULT

Check for the DTC on CONSULT.

Is the DTC detected?

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

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000009480012

Refer to SR-3, "For Frontal Collision" or SR-5, "For Side and Rollover Collision".

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INFOID:0000000009480013

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

Trouble Diagnosis with CONSULT

DIAGNOSTIC CODE CHART

NOTE:

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

DTC CONSULT name DTC detecting condition Repair order Visually check the wiring harness connection. Driver air bag module circuit (DR1) is B1049 Replace the harness if it has visible damage. 2. open 3. Inspect the spiral cable circuit. (including the spiral cable). **DRIVER AIRBAG MODULE** 4. Replace the air bag diagnosis sensor unit. [OPEN] Driver air bag module circuit (DR2) is Replace the driver air bag module. B1054 Replace the related harness. (including the spiral cable). Driver air bag module circuit (DR1) is shorted to a power supply circuit B1050 (including the spiral cable). DRIVER AIRBAG MODULE [VB-SHORT] Driver air bag module circuit (DR2) is B1055 shorted to a power supply circuit SRC (including the spiral cable). Driver air bag module circuit (DR1) is B1051 shorted to ground (including the spiral cable). DRIVER AIRBAG MODULE [GND-SHORT] Driver air bag module circuit (DR2) is B1056 shorted to ground (including the spiral cable). Driver air bag module circuits (DR1) are B1052 shorted to each other (including the spiral cable). DRIVER AIRBAG MODULE [SHORT] Driver air bag module circuits (DR2) are B1057 shorted to each other (including the spiral cable). Front passenger air bag module circuit Visually check the wiring harness connection. B1065 (AS1) is open. 2. Replace the harness if it has visible damage. ASSIST A/B MODULE Replace the air bag diagnosis sensor unit. [OPEN] Front passenger air bag module circuit B1070 Replace the front passenger air bag module. (AS2) is open. Replace the related harness. Front passenger air bag module circuit B1066 (AS1) is shorted to a power supply circuit. ASSIST A/B MODULE [VB-SHORT] Front passenger air bag module circuit B1071 (AS2) is shorted to a power supply cir-Front passenger air bag module circuit B1067 (AS1) is shorted to ground. ASSIST A/B MODULE [GND-SHORT] Front passenger air bag module circuit B1072 (AS2) is shorted to ground. Front passenger air bag module circuits B1068 (AS1) are shorted to each other. ASSIST A/B MODULE [SHORT] Front passenger air bag module circuits B1073 (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.	2. F	/isually check the wiring harness connection Replace the harness if it has visible damage Replace the air bag diagnosis sensor unit.	
SIDE MODULE LH [VB-SHORT]	B1135	Front LH side air bag module circuit is shorted to a power supply circuit.	4. F	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.	2. F	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.	4. F	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.	2. F	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.	4. F	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.	5. F	The state of the s	
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.	2. F	/isually check the wiring harness connectio 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.	4. Re	Replace the RH side curtain air bag module.	
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.			
PRE-TEN FRONT LH [OPEN]	B1086	LH seat belt pre-tensioner circuit is open.	2. F	/isually 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.	4. F	Replace the air bag diagnosis sensor unit. Replace the front LH seat belt pre-tensione Replace the related harness.	
PRE-TEN FRONT LH [GND-SHORT]	B1088	LH seat belt pre-tensioner circuit is shorted to ground.	0	topuse are related harmose.	
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.	2. F	/isually 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.		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.		керіасе іне геіацей паглеss.	
PRE-TEN FRONT RH [SHORT]	B1084	RH seat belt pre-tensioner circuits are shorted to each other.			
CRASH ZONE SEN	B1033	Crash zone sensor has malfunctioned.	1. \	/isually check the wiring harness connection	
[UNIT FAIL]	B1034		2. F	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. F	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 [UNIT FAIL]	B1118 B1119	LH side air bag satellite sensor has mal- functioned.	 Visually check the wiring harness connection. 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 mal-	Visually check the wiring harness connection.
[UNIT FAIL]	B1114	functioned.	 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.	Replace the air bag diagnosis sensor unit. Replace the related harness.
000115111505110041	B1017	The OCS control unit is malfunctioning.	Replace the OCS control unit.
OCCUPANT SENS C/U [UNIT FAIL]	B1020		
	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.
FRONTAL COLLISION DE- TECTION	B1209	Driver and/or front passenger air bag modules are deployed.	Refer to SR-3, "For Frontal Collision".
SIDE COLLISION DETEC- TION	B1210	Side and/or curtain air bag modules are deployed.	Refer to SR-5, "For Side and Rollover Collision".
ROLLOVER DETECTION	B1211	Curtain air bag module and seat belt pre-tensioner are deployed.	

Trouble Diagnosis without CONSULT

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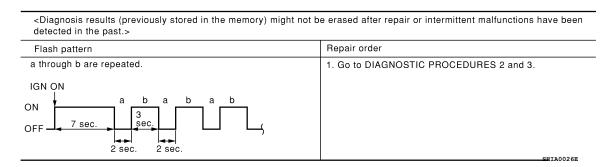
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WARNING LAMP FLASH CODE CHART

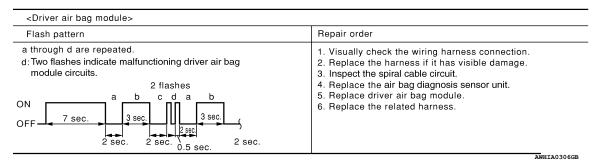
NOTE:

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.



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< ECU DIAGNOSIS INFORMATION >



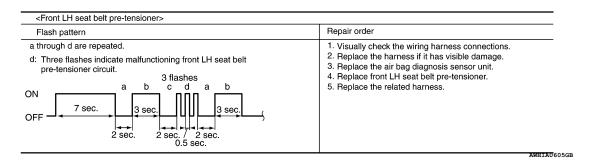
<air bag="" diagnosis="" sensor="" unit=""></air>	
Flash pattern	Repair order
a through d are repeated. d: Seven flashes indicate malfunctioning diagnosis sensor unit circuit. 7 flashes ON OFF 7 sec. 2 sec. 2 sec. 2 sec. 0.5 sec.	Visually check the wiring harness connections. Replace the harness if it has visible damage. Replace the air bag diagnosis sensor unit. Replace the related harness.
	WHIA0198E

<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.						

<crash sensor="" zone=""></crash>	
Flash pattern	Repair order
a through d are repeated. d: Six flashes indicate malfunctioning crash zone sensor circuit. ON OFF 7 sec. 2 sec. 2 sec. 0.5 sec. 0 3 sec. 0.5 sec.	Visually check the wiring harness connection. Replace the harness if it has visible damage. Replace the crash zone sensor. Replace the air bag diagnosis sensor unit. Replace the related harness.
	WHTA0200E

<front belt="" pre-tensioner="" rh="" seat=""></front>	
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. 3 sec. 2 sec. 2 sec. 2 sec. 2 sec. 2 sec.	Visually check the wiring harness connections. Replace the harness if it has visible damage. Replace the air bag diagnosis sensor unit. Replace front RH seat belt pre-tensioner. Replace the related harness.

< ECU DIAGNOSIS INFORMATION >



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<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. 0.5 sec. 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 RH side air bag (Satellite) sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.

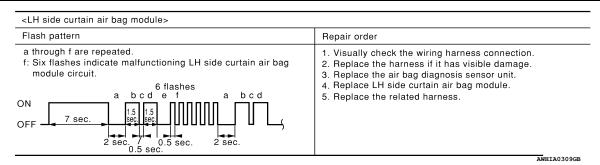
Flash pattern a through f are repeated. f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor. 4 flashes ON 7 sec. 7 sec. Repair order 1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag (Satellite) sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.	<lh (satellite)="" air="" bag="" sensor="" side=""></lh>				
f: Four flashes indicate malfunctioning LH side air bag (Satellite) sensor. 2. Replace the harness if it has visible damage. 3. Replace the LH side air bag (Satellite) sensor. 4. Replace the air bag diagnosis sensor unit. 5. Replace the related harness.	Flash pattern	Repair order			
ON a b c d e f a b c d OFF 7 sec. Sec. Sec. Sec. Sec. Sec. Sec. Sec. S	f: Four flashes indicate malfunctioning LH side air bag	Replace the harness if it has visible damage.			
0.5 eac	ON a bcd e f a bcd OFF 7 sec. 1.5 1.5 sec. sec. 2 sec. 7 0.5 sec.	, ,			

<pre><front air="" bag="" module="" rh="" side=""></front></pre>	
Flash pattern	Repair order
a through f are repeated. f: One flash indicate malfunctioning front RH side air bag module circuit. 1 flash ON OFF 7 sec. 2 sec. 7 0.5 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 RH side air bag module. 5. Replace the related harness.
0.5 sec.	AWHIA03

Flash pattern	Repair order
a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit. 2 flashes 3 b c d e f a b c d 7 sec. 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	Visually check the wiring harness connection. Replace the harness if it has visible damage. Replace the air bag diagnosis sensor unit. Replace the front LH side air bag module. Replace the related harness.

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< 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 OFF 7 sec. 0.5 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 RH side curtain air bag module. 5. Replace the related harness.
	AWHIA0308GB

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

sec. 3 sec. 3 sec. 2 sec. 2 sec. 0.5 sec. 0.5 sec.

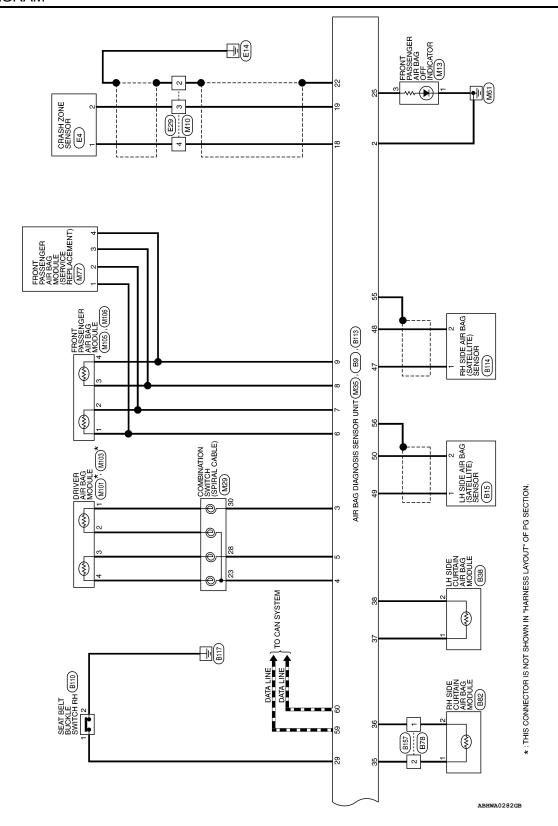
<Front passenger air bag off indicator>

Flash pattern	Repair order
a through d are repeated. d: Eleven flashes indicate malfunctioning front passenger air bag off indicator. 11 flashes 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.
	WHIA0212E

Revision: May 2014 SRC-60 2014 Frontier

< WIRING DIAGRAM > WIRING DIAGRAM Α SRS AIR BAG CONTROL SYSTEM Wiring Diagram - With Power Seats INFOID:0000000009480015 В C D OCCUPANT CLASSIFICATION (B352) SYSTEM CONTROL UNIT Е BELT TENSION SENSOR (B137) F OCCUPANT CLASSIFICATION SYSTEM SENSOR (B353) G B349 B310 B154 M36 M36 833 SRC (3) AIR BAG DIAGNOSIS SENSOR UNIT (M35), (B9), (B113) FRONT RH SEAT BELT PRE-TENSIONER B127 SRS AIR BAG CONTROL SYSTEM - WITH POWER SEATS J (3) K COMBINATION METER (M24) FRONT LH SEAT BELT PRE-TENSIONER (B14) L FUSE BLOCK (J/B) (M4) M \$50 M40 M57 UNIFIED METER CONTROL UNIT (WITH INFORMATION DISPLAY) Ν IGNITION SWITCH ON OR START 10A 14 AIR BAG 0 Р

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SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITH	H POWER SEATS
AIR BAG CONTROL SYSTEM CONNECTORS	\leq
	AIR BAG CONTROL SYSTEM CONNECTORS

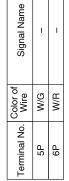
Connector No. M4 Connector No. M10 Connector Name FUSE BLOCK (J/B) Connector Name WIRE TO Connector Color WHITE Connector Color YELLOW
Connector No. Connector Name F

Connector Name WIRE TO WIRE

No. M4	tor Name FUSE BLOCK (J/B)	tor Color WHITE	7P 6P 5P 4P 7 1P 1P 1P 9P 8P 8P
tor No.	tor Nan	tor Cole	7P 16F







8	FRONT PASSENGER AIR BAG OFF INDICATOR	BROWN		Signal Name	_	_
. M13			[특희]	Color of Wire	В	BG
Connector No.	Connector Name	Connector Color	原 H.S.	Terminal No.	1	3

Signal Name	1	ı	ı
Color of Wire	SHIELD	В	M
inal No.	2	3	4

Signal Na	I	1	I	
Color of Wire	SHIELD	В	>	
Terminal No.	2	3	4	

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



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

	Α/Α	_	30	
	Y/G	_	28	
	7		23	
Sig	Color of Wire	_	Terminal No.	
30 23 23			原。 H.S.	
YELLOW	YEL	olor	Connector Color	
COMBINATIO (SPIRAL CAB		ame ame	Connector Name	

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

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Connector No. M24

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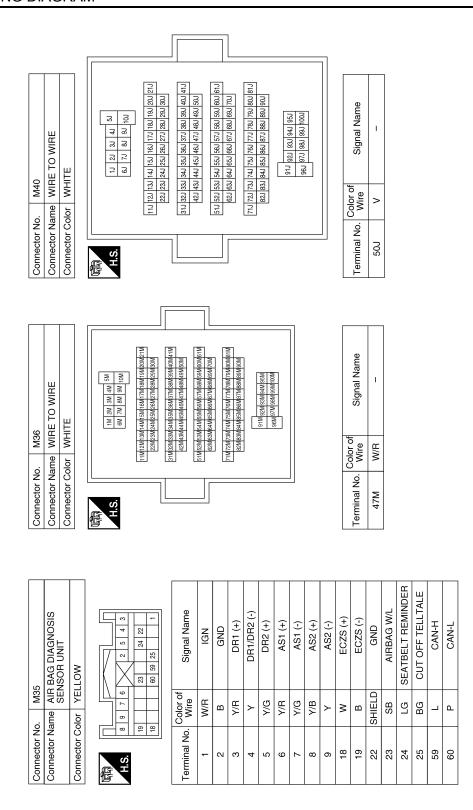
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SRS AIR BAG CONTROL SYSTEM

G MODULE	Connector No. M103 Connector Name DRIVER A Connector Color ORANGE	onnector No. M103 onnector Name DRIVER AIR BAG MODULE onnector Color ORANGE
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	_				
	ORANGE		Signal Name	_	_
,	lor OR	74	Color of Wire	В	≯
	Connector Color	原到 H.S.	Terminal No.	3	4

11	Connector Name DRIVER AIR BAG MODULI	YELLOW		Signal Name
MIO.	me DRI			Color of Wire
Confinector No.	Connector Na	Connector Color	赋利 H.S.	Terminal No.

Connector No.	M77	7
Connector Name		FRONT PASSENGER AIR BAG MODULE (SERVICE REPLACEMENT)
Connector Color	-	YELLOW
语 H.S.	4 3	
Terminal No.	Color of Wire	Signal Name
-	Y/R	ı
2	Y/G	_
3	Y/B	I
4	>	ı

- 0

	CRASH ZONE SENSOR	YELLOW		Signal Name	1	1
E4				Color of Wire	>	В
Connector No.	Connector Name	Connector Color	H.S.	Terminal No.	-	2

M106	FRONT PASSENGER AIR BAG MODULE	ORANGE		Signal Name	_	
				Color of Wire	Y/B	
Connector No.	Connector Name	Connector Color	H.S.	Terminal No.	3	

05	FRONT PASSENGER AIR BAG MODULE	YELLOW	FO.	Signal Name	ı	1
. M105				Color of Wire	Y/R	۲/۷
Connector No.	Connector Name	Connector Color	明 H.S.	Terminal No.	-	٥

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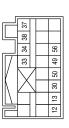
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Terminal No.	Color of Wire	Signal Name
30	BG	LH BUCKLE SW INPUT
33	λ	S-LH1 (+)
34	A/B	S-LH1 (-)
37	\	C-LH1 (+)
38	5/A	C-LH1 (-)
49	HВ	SATELLITE LH (+)
50	>	SATELLITE LH (-)
99	анегр	GND





Signal Name

Color of Wire

Terminal No. 13

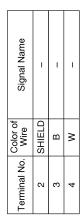
P-LH1 (-) P-LH1 (+)

Y/B









Connector No.	B14
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER (CREW CAB)
Connector Color YELLOW	YELLOW

Signal Name

Color of Wire >

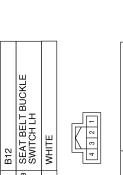
Terminal No.

Signal Name

Bg a

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SEAT BELT BU	WHITE	3 2 1	Signal
		4	Color of Wire
Connector Name	Connector Color	间 H.S.	Terminal No.

Connector Name	Connector Color	S
Connector	Connector	S H

Connector No.

B10	FRONT LH SIDE AIR BAG MODULE	YELLOW	1 2
Connector No.	Connector Name	Connector Color	(京) H.S.

Signal Name	-	I	
Color of Wire	٨	Y/B	
Terminal No.	1	2	

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		Connector No. B78 Connector Name WIRE TO WIRE Connector Color YELLOW Terminal No. Wire 1 Y/B - 2 Y -
Connector Name LH SIDE CURTAIN AIR BAG MODULE Connector Color YELLOW	Terminal No. Wire Signal Name 1 Y 2 Y/G -	Signal Name Sou V –
Name LH SIDE AIR BAG Color YELLOW	Color of Signal Name BR – Y	Connector Name WIRE TO WIRE Connector Color WHITE Su 4 3 2 11 Su 2 2 2 11 Su 2 2 11 Su 2 2 2 11 Su 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Connector Color	Terminal No.	Connector No. Connector Color Connector Color H.S. [21] [41] [61]

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SATELLITE RH (+)
SATELLITE RH (-)

35 36 47 48 55

B | ≤ | B

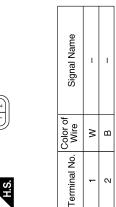
GND

SHIELD

Signal Name C-RH1 (+) C-RH1 (-)

Color of Wire

Terminal No.



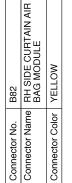
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Connector No.	B110
Connector Name	Connector Name SEAT BELT BUCKLE SWITCH RH
Connector Color WHITE	WHITE



Signal Nan	ı	_
Color of Wire	Γ	В
rminal No.	1	2

Terminal No	-	2	
ıl Name	1	1	





Terminal No. Color of Signal	1 Y	2 Y/B	
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	GNOSIS		
B113	AIR BAG DIAG SENSOR UNIT	YELLOW	
Connector No.	Connector Name AIR BAG DIAGNOSIS SENSOR UNIT	Connector Color YELLOW	



onnector Cc	H.S.	
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Signal Name	P-RH1 (+)	P-RH1 (-)	ODS INPUT	RH BUCKLE SW INPUT	S-RH1 (+)	S-RH1 (-)
Color of Wire	>	Y/G	Y/B	٦	Y/B	Y
Terminal No. Wire	10	=	26	59	31	32

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SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >

B137 BELT TENSION SENSOR (CREW CAB) WHITE	Color of Wire Signal Name LG	
	Nire Wire Wire	
Connector No. Connector Name Connector Color		
Conne Conne H.S.	Terminal No. 1	
TT BELT	Signal Name	
B127 FRONT RH SEAT BELT PRE-TENSIONER (CREW CAB) YELLOW	Signal	
	Color of Wire Wire Wire Wire Wire Wire Wire Wire	
Connector No. Connector Color Connector Color		
Connector No. Connector Col	Terminal No. 47M	
AIR	V/B	M Ms
B126 FRONT RH SIDE AIR BAG MODULE YELLOW	Signal Name	MTE MES MES MES MOOT
B126 FRONT F BAG MOI YELLOW	## Signal	95M 991 100M 991
Connector No. Connector Color Connector Color	Connector No. Connector No. Connector Name Connector Color H.S. EIM 661M 661M 661M 661M 661M 661M 661M 66	
		ABHIA0796GB

Revision: May 2014 SRC-69 2014 Frontier

SRS AIR BAG CONTROL SYSTEM

< WIRING DIAGRAM >



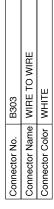


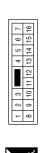
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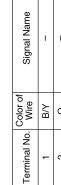
Signal Name	I	I	I	-	ı	ı	
Color of Wire	В/У	0	W/N	В	Α/W	Y/B	
Terminal No. Wire	-	2	4	5	9	8	

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Signal Name	PS 5V	1	IGN	I	1	1	ı	BTS GND	PS GND	BTS 5V	1	COMMUNICATION
Color of Wire	SB	ı	W/R	ı	ı	ı	1	ŋ	0	ГG	ı	Y/B
Terminal No.	7	80	6	10	11	12	13	14	15	16	17	18

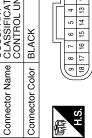


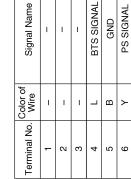




Signal Name	I	I	-	I	I	-
Color of Wire	В/Υ	0	N/N	В	Α/W	Y/B
erminal No.	-	2	3	8	6	10

Connector No.	B352	N					
Connector Name	OCCUPANT CLASSIFICATIO CONTROL UNIT	SSE		<u>+</u> 87	은불	z	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Color BLACK	BLA	CK					
		L		ĪĒ			(
6	8 7	9	2	4	8	2	(-
H.S.	18 17 16 15 14 13 12 11 10	15	14	13	12	11	101





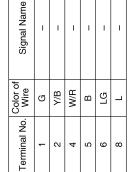
B157	WIRE TO WIRE	YELLOW	
Connector No.	Connector Name WIRE TO WIRE	Connector Color YELLOW	



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

Connector No. B349 Connector Name WIRE TO WIRE	B349 WIRE T	6 1 1		#
H.S.	- "	2 4	4 α	





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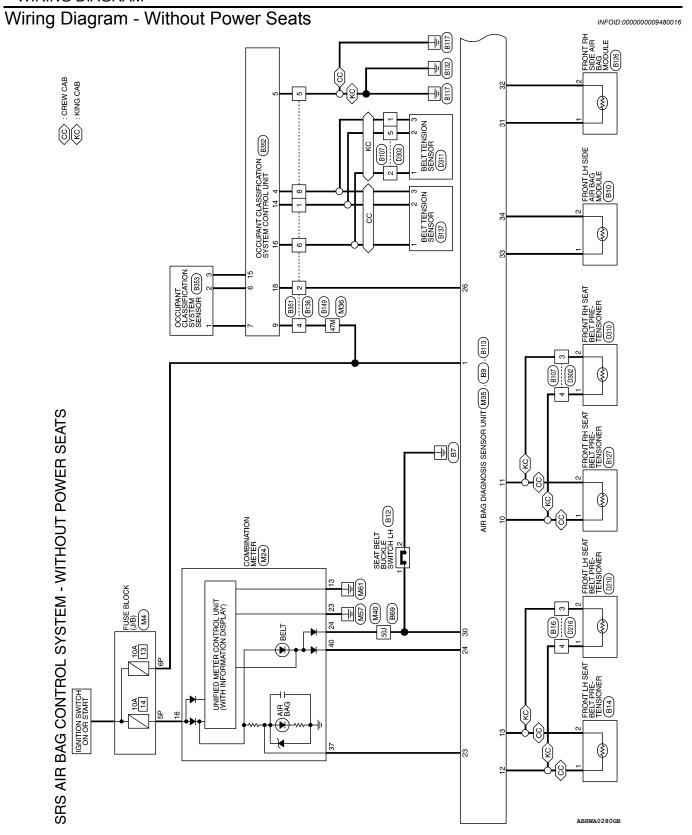
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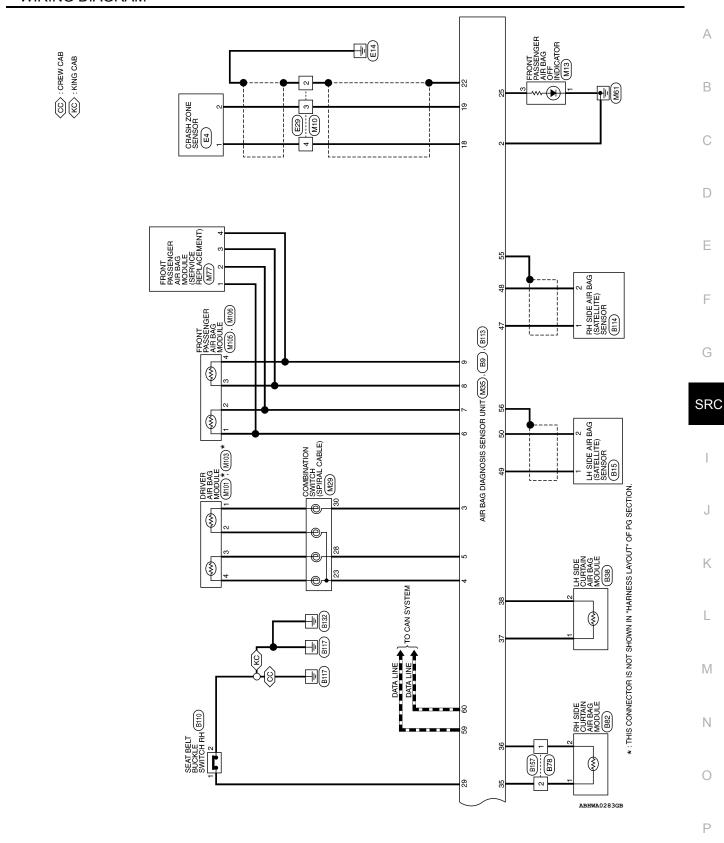
Р

Connector No. B353 Connector Name CLASSIFICATION SYSTEM SENSOR Connector Color BLACK	H.S.
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	(1 2 3)
5	<u>-</u>

Signal Name	_	1	-
Color of Wire	SB	\	0
Terminal No.	l l	7	8





SRS AIR BAG CONTROL SYSTEM CONNECTORS - WITHOUT POWER SEATS

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

ector No.	M4
ector Name	ector Name FUSE BLOCK (J/B)
ector Color WHITE	WHITE
ŗ	
7P 6	7P 6P 5P 4P 3P 2P 1P
16P 15	16P 15P 14P 13P 12P 11P 10P 9P 8P



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



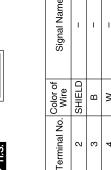
Connector Name FRONT PASSENGER AIR BAG OFF INDICATOR

M13

Connector No.

BROWN

Connector Color



Signal Name

Color of Wire

Terminal No. _ က

BG В

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

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

Connector Name | COMBINATION METER

M24

Connector No.

Connector Color WHITE



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

COMBINATION SWITCH (SPIRAL CABLE)	YELLOW	22 23 23 23 24 24 24 24 24 24 24 24 24 24 24 24 24	Signal Name	1	ı	1
		28 23	Color of Wire	>	Y/G	2/2
Connector Name	Connector Color	斯.S.	Terminal No.	23	28	Č

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BUCKLE (SEATBELT) SW

24

POWER GND **RUN START**

W/G

23 16

В

GR

Signal Name GROUND

Color of Wire

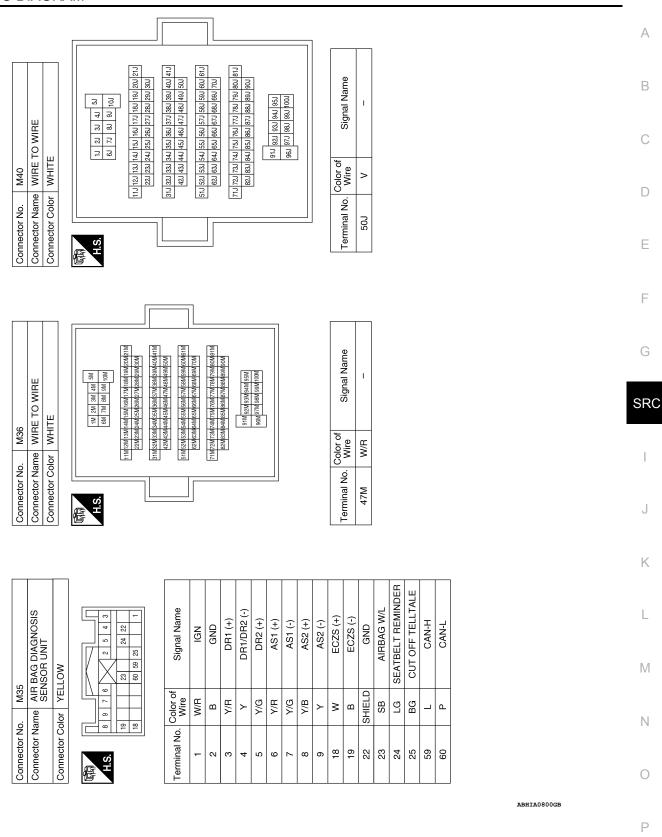
Terminal No.

AIRBAG CONT PASS SEATBELT

SB 52

37

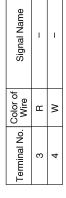
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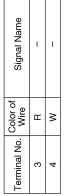


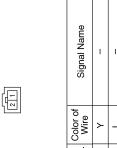
Revision: May 2014 SRC-75 2014 Frontier

Sonnector No. M103	onnector Name DRIVER AIR BAG MODULE	Connector Color ORANGE
ဝိ	Col	Con
101	onnector Name DRIVER AIR BAG MODULE	YELLOW

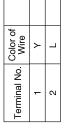
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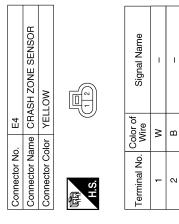




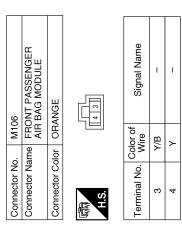




	FRONT PASSENGER AIR BAG MODULE (SERVICE REPLACEMENT)	YELLOW		Signal Name	ı	1	ı	1
. IMI.		_	4 3	Color of Wire	Y/R	Y/G	Y/B	٨
Connector No.	Connector Name	Connector Color	师 H.S.	Terminal No.	-	2	င	4



N



2 Y/G	ı
1 Y/R	-
Terminal No. Wire	Signal Name
H.S.	
Connector Color YELI	YELLOW
Connector Name FRO AIR I	FRONT PASSENGER AIR BAG MODULE
Connector No. M105	5

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Signal Name	LH BUCKLE SW INPUT	S-LH1 (+)	S-LH1 (-)	C-LH1 (+)	C-LH1 (-)	SATELLITE LH (+)	SATELLITE LH (-)	GND
Color of Wire	BG	>	Y/B	>	Y/G	BR	>	SHIELD
Terminal No.	30	33	34	37	38	49	50	26

Ro		YELLOW		33 34 38 37	12 13 30 50 49 56
Connector No	Connector Name	Connector Color		8	12

33 34 38 3	0 50 49 56	Signal N
	12 13 30	Color of Wire
SH		Terminal No.

Signal Name

P-LH1 (-) P-LH1 (+)

12 5

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	WIRE TO WIRE	YELLOW	4 6 2	Signal Name	_	_
E20	e	_		Color of Wire	SHIELD	В
Connector No	Connector Name	Connector Color	赋 H.S.	Terminal No.	2	3

Connector No.	, B14	_
Connector Name		FRONT LH SEAT BELT PRE-TENSIONER (CREW CAB)
Connector Color		YELLOW
H.S.		2-1
Terminal No.	Color of Wire	Signal Name
1	¥	1
2	Y/B	ı

Connector No.	B12
Collifector Name	SWITCH LH SWITCH LH
Connector Color WHITE	WHITE
4	

SEAT BELT BUCK SWITCH LH	WHITE	3 2 1	Signal N	ı
	MH	4	Color of Wire	BG
ıme	lor		Ö≤	"
Connector Name	Connector Color	原 H.S.	Terminal No.	

В

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Collifector No.		DIO
Connector Name		FRONT LH SIDE AIR BAG MODULE
Connector Color	-	YELLOW
励 H.S.		1 2
Terminal No.	Color of Wire	of Signal Name
1	Υ	_
2	Y/B	ı

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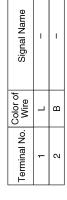
Ρ

Connector No. B38 Connector Name LH SIDE CURTAIN AIR BAG MODULE	Connector Color YELLOW	H.S.	Terminal No. Color of Wire Signal Name	1 Y – – – – – – – – – – – – – – – – – –	Connector No. B78	Connector Name WIRE TO WIRE	Connector Color YELLOW		H.S.	Color of	Terminal No. Wire Signal Name		2 ×			
B16 WIRE TO WIRE	<u> </u>	2 1	Signal Name	1 1	č	Signal Name	1									
-	_	4 8	Color of Wire	√/B	Color of	Wire	>									
Connector No.		明.S.	Terminal No.	Е 4		9	507									
								Гг								
B15 LH SIDE AIR BAG (SATELLITE) SENSOR	YELLOW		Signal Name	1 1		E TO WIRE	ITE		54 44 34 24 14 100 94 84 74 64	21.1 200 150 150 150 150 150 150 150 150 150 1	300 230 270 250 250 231 221	41) 40) 39) 38) 37) 36) 35) 34) 33) 32) 31)	124 124 124 124 125	70, 691 681 673 661 651 641 631 621	81.1 80.1 79.1 78.1 77.1 76.1 75.1 74.1 73.1 72.1 77.1 71.1 90.1 89.0 88.9 88.1 85.1 86.1 86.1 89.1 83.1 82.1	 950, 940, 950, 950, 950, 950, 950, 950, 950, 95
ne			Color of Wire	BR Y). B69	ıme WIR	olor WHITE			21.7 200 18	300 5	41.) 40.) 31	61.160.150	700 88	81.0 80.0 78	
Connector No.	Connector Color	H.S.	Terminal No.	1 2	Connector No.	Connector Name WIRE TO WIRE	Connector Color		H.S.							

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Connector No.	B110
Connector Name	Connector Name SEAT BELT BUCKLE SWITCH RH
Connector Color WHITE	WHITE
原 H.S.	4 9 2 2 1

Signal Name	I	I
Color of Wire	7	В
Ferminal No.	-	2



Signal Name

Color of Wire

Terminal No.

Signal Name

Color of Wire

Terminal No.

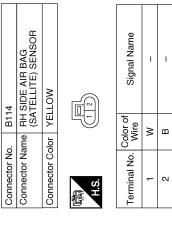
1 1

Y/B

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LG XG

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Signal Name	TUPNI SOO	RH BUCKLE SW INPUT	S-RH1 (+)	S-RH1 (-)	C-RH1 (+)	C-RH1 (-)	SATELLITE RH (+)	SATELLITE RH (-)	GND
Color of Wire	Y/B	٦	Y/B	Υ	Υ	Y/B	W	В	SHIELD
minal No. Color of Wire	26	59	31	32	35	36	47	48	55

Terminal No		56	67	31	32	38	98	47	48
				l					
	DIAGNOSIS	F UNIT	1]		32		3 29 11 10	

31 32 47 48 29 11 10	Signal Name	P-RH1 (+)	0 011
35 36 55 55 55 55 55 55 55 55 55 55 55 55 55	Color of Wire	λ	()
<u> </u>	minal No.	10	÷

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

	Signal Name	P-RH1 (+)	P-RH1 (-)
	Color of Wire	>	Y/G
_	Terminal No.	10	-

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	/IRE		
B107	WIRE TO M	WHITE	
Connector No.	Connector Name WIRE TO WIRE	Connector Color WHITE	





B82	
RH SIDE CURTAIN AIR BAG MODULE	
YELLOW	

Connector No.	B82
Connector Name RH SIDE CUR BAG MODULE	RH SIDE CUR BAG MODULE
Connector Color	YELLOW



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图	

SRC-79 Revision: May 2014 2014 Frontier

WIRE TO WIRE		Signal Name	I	1	1	1	ı	1		Signal Name	1										
	4 8 2 0	Color of Wire	ŋ	Y/B	W/R	В	LG	7	Color of	Wire	M/R										
Connector Name Connector Color	原 H.S.	Terminal No.	1	2	4	5	9	80		Terminal No.	47M										
												Г									
FRONT RH SEAT BELT PRE-TENSIONER (CREW CAB)		Signal Name	1	ı						WIRE TO WIRE	E		4M 3M 2M 1M	10M 9M 8M 7M 6M	21M20M19M18M17M16M15M14M13M12M11M	30M 29M 28M 27M 26M 25M 23M 22M	41M40M 39M 38M 37M 36M 35M 34M 33M 32M 31M	50M49M48M47M46M45M44M43M42M	61M60MS9M52M55M55M53M52M51M 70M69M68M65M65M65M63M62M	BTMBOM73M77M77M76M75M74M73M72M71M 90M89M88M87M86M85M82M	95M 94M 93M 92M 91M
	olor YELLOW	Color of Wire	λ	Y/G					B149		-		SM	101	21M20M19M	30M29M	41M40M39M3	50M49M	61M60M59M8 70M69M	81M80M79M	95
Connector Name	Connector Color	Terminal No.	-	2					Connector No.	Connector Name	Connector Color		明明 H.S.								
	7											7									
FIZE FRONT RH SIDE AIR BAG MODULE YELLOW		Signal Name	-	1						BELT TENSION SENSOR	W CAB)		2 3		Ö	Signal Name	I	I	1		
	-	Color of Wire	Y/B	>					B137			_			Color of	Wire	re	ŋ	_		
Connector Name Connector Color	南 H.S.	Terminal No.	-	2					Connector No.	Connector Name	Connector Color			CI		l erminal No.	-	2	က		
												-		_							ABHIA08

Revision: May 2014 SRC-80 2014 Frontier

၈	OCCUPANT CLASSIFICATION SYSTEM SENSOR	Ϋ́		Signal Name	1	ı	_
. B353		lor BLACK	9	Color of Wire	SB	>	0
Connector No.	Connector Name	Connector Color	原型 H.S.	Terminal No.	-	2	3

	/IRE		
B351	WIRE TO W	WHITE	
Connector No.	Connector Name WIRE TO WIRE	Connector Color WHITE	

2 9 5 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Signal Name	I	1	
	Color of Wire	ŋ	Y/B	0,744
S. S.	rminal No.	-	2	,

Signal Nam	I	1	1	I	I	1	
Color of Wire	g	Y/B	W/R	В	LG	٦	
Terminal No.	1	2	4	9	9	8	

75	WIRE TO WIRE	YELLOW		Signal Name	ı	1
. B157				Color of Wire	Y/B	>
Connector No.	Connector Name	Connector Color	H.S.	Terminal No.	-	2

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

Connector No. B352 Connector Name CLASS CONTF	B352 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT BLACK
H.S.	9 8 7 6 5 4 3 2 1

SIFIC SIFIC F 13 4	Connector Name CLASSIFICATION S CONTROL UNIT	Connector Color BLACK	(9 8 7 6 5 4 3 2 17 16 15 14 13 12 11
	SIFIC	¥	5 4 114 113
	Ø.		(- <u>-</u>)

Signal Name	1	_	1	BTS SIGNAL	GND	PS SIGNAL	PS 5V	1
Color of Wire	ı	-	1	Γ	В	Υ	SB	1
Terminal No. Wire	1	7	3	4	9	9	7	8

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SRC-81 Revision: May 2014 2014 Frontier Α

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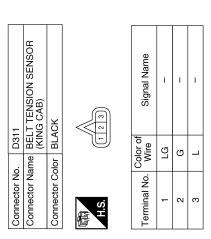
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Connector No.). D302	02
Connector Name		WIRE TO WIRE
Connector Color		WHIITE
原现 H.S.		2. @
Terminal No.	Color of Wire	Signal Name
,-	٦	I
2	Ы	_
3	5/A	_
4	λ	-
5	В	_

Connector No. D216	Connector Name WIRE TO WIRE	Connector Color WHITE	1.S.	Terminal No. Wire Signal Name	3 Y/G –	
Connec	Connec	Connec	H.S.	Termina	3	_

Connector No.). D210	01	
Connector Name		FRONT LH SEAT BELT PRE-TENSIONER (KING CAB)	
Connector Color		YELLOW	
H.S.		個	
Terminal No.	Color of Wire	Signal Name	
ļ	λ	_	
2	Y/G	_	



10	FRONT RH SEAT BELT PRE-TENSIONER (KING CAB)	YELLOW	A A	Signal Name	I	ı
. D310				Color of Wire	Υ	Y/G
Connector No.	Connector Name	Connector Color	H.S.	Terminal No.	Į.	2

ABHIA0807GB

SYMPTOM DIAGNOSIS >	
SRS AIR BAG SYSTEM	Α
"AIR BAG" Warning Lamp Does Not Turn Off	В
DIAGNOSTIC PROCEDURE	
1.CHECK CONDITION OF AIR BAG MODULE	С
Inspect for any deployed air bag modules or seat belt pre-tensioners.	
Are any air bag modules or seat belt pre-tensioners deployed?	D
YES >> Refer to <u>SR-3, "For Frontal Collision"</u> or <u>SR-5, "For Side and Rollover Collision"</u> . NO >> GO TO 2	
2.CHECK THE AIR BAG FUSE	Е
Check 10A fuse [No. 13, located in the fuse block (J/B)].	_
Is the fuse blown?	
YES >> GO TO 3 NO >> GO TO 4	F
3.CHECK AIR BAG FUSE AGAIN	
Replace 10A fuse [No. 13, located in the fuse block (J/B)] and turn ignition switch ON.	G
Does the fuse blow again?	
YES >> Replace harness.	SRC
NO >> Inspection End.	
4.CHECK AIR BAG DIAGNOSIS SENSOR UNIT	ı
Connect CONSULT. <u>Is "AIR BAG" displayed on CONSULT?</u>	
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-23 , "Removal and Installation".	J
5. CHECK HARNESS CONNECTION	K
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-23, "Removal and Installation"</u>. 	L
"AIR BAG" Warning Lamp Does Not Turn On	M
DIAGNOSTIC PROCEDURE	
1.CHECK METER FUSE	N
Check the 10A fuse [No. 14, located in the fuse block (J/B)].	
Is the fuse blown?	0
YES >> GO TO 2 NO >> GO TO 3	
2.REPLACE METER FUSE AND CHECK AGAIN	Р
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-	
C. CHECK HARRIEGO COMMECTICINO DE I WELLIN AIN DAG DIAGNOCIO CENCON CINIT AND COMBINA-	

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SRS AIR BAG SYSTEM

< SYMPTOM DIAGNOSIS >

TION METER

Inspect the harness and connectors between the air bag diagnosis sensor unit and the combination meter. Do the harness or connectors have any visible damage?

YES >> Replace harness.

NO >> GO TO 4

4. CHECK COMBINATION METER

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

Does "AIR BAG" warning lamp turn on?

- YES >> Replace the air bag diagnosis sensor unit. Refer to <u>SR-23</u>, "Removal and Installation".
- NO >> Replace the combination meter. Refer to MWI-90, "Removal and Installation".

PASSENGER SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS > PASSENGER SEAT BELT WARNING SYSTEM Α Seat Belt Warning System Does Not Function INFOID:0000000009480019 1.SEAT BELT WARNING LIGHT В 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. D Check combination meter. Refer to MWI-39, "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 F 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? SRC YES >> GO TO 4 NO >> • Check occupant classification system. Refer to SRC-10, "Occupant Classification System 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. K · Check harness between seat belt buckle switch RH and air bag diagnosis sensor unit. • Replace air bag diagnosis sensor unit. Refer to SR-23, "Removal and Installation". L N

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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 3 minutes before performing any service.

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

INFOID:0000000009480021

- 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

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