SRS AIRBAG CONTROL SYSTEM

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PRECAUTIONS

< PRECAUTION >

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. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

WARNING:

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

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

WARNING:

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

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

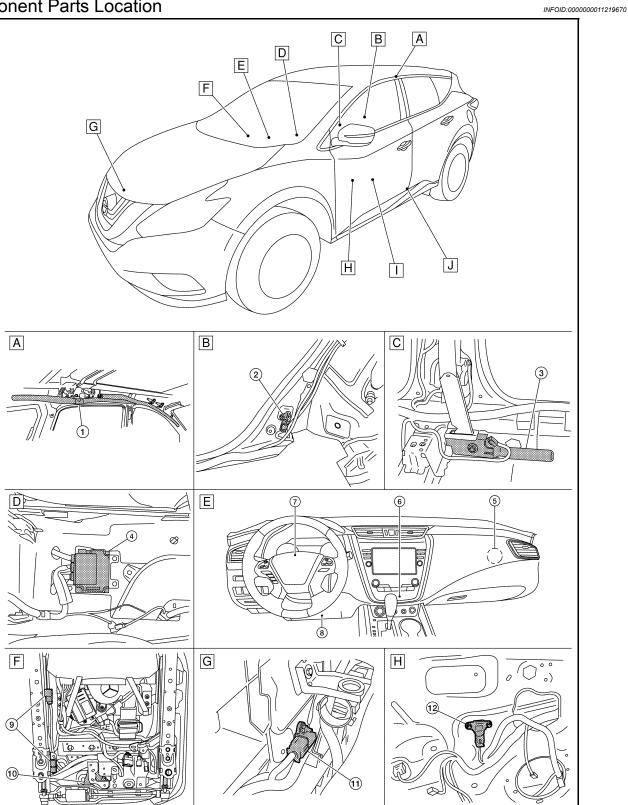
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- Do not use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect both battery cables and wait at least 3 min-
 - For approximately 3 minutes after 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.

SYSTEM DESCRIPTION

COMPONENT PARTS

Component Parts Location



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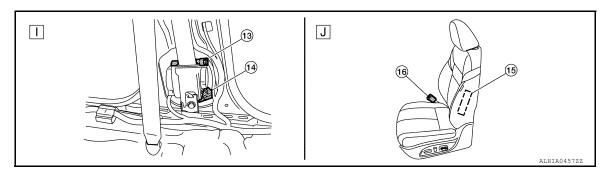
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- A. Left side of roof line (view with headlining removed)
- D. Between driver and passenger seat (View with center console removed)
- G. Front of engine compartment (view with engine air intake plenum removed)
- J. Left of driver seat (view with center pillar garnish removed)
- Right of rear passenger seat (view with rear wheel house finisher removed)
- E. Front of passenger compartment
- H. Driver door area (view with front door finisher removed)
- Base of passenger seat lap belt (view with center pillar garnish removed)
- F. Bottom of passenger seat
- I. Driver seat area

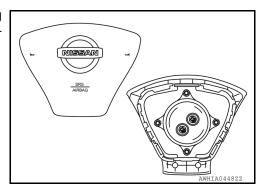
Component Description

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No.	Component	Function
1.	LH side curtain air bag module	Refer to SRC-8, "Side Curtain Air Bag Module".
2.	Rear side air bag satellite sensor RH	Refer to SRC-9. "Rear Side Air Bag Satellite Sensor".
3.	Front RH seat belt pre-tensioner (lap belt)	Refer to SRC-8, "Front Seat Belt Pre-tensioner".
4.	Air bag diagnosis sensor unit	Refer to SRC-8, "Air Bag Diagnosis Sensor Unit".
5.	Front passenger air bag module	Refer to SRC-7, "Front Passenger Air Bag Module".
6.	Front passenger air bag off indicator	Refer to SRC-10, "Front Passenger Air Bag Off Indicator".
7.	Driver air bag module	Refer to SRC-7. "Driver Air Bag Module".
8.	Left knee air bag module	Refer to SRC-7, "Left Knee Air Bag Module".
9.	Occupant classification sensors	Refer to SRC-13. "OCCUPANT CLASSIFICATION SYSTEM: System Description".
10.	Occupant classification system control unit	Refer to SRC-13, "OCCUPANT CLASSIFICATION SYSTEM: System Description".
11.	Crash zone sensor	Refer to SRC-9, "Crash Zone Sensor".
12.	Front door satellite sensor LH	Refer to SRC-9, "Front Door Satellite Sensor".
13.	Front LH seat belt pre-tensioner	Refer to SRC-8, "Front Seat Belt Pre-tensioner".
14.	Front side air bag (satellite) sensor	Refer to SRC-9, "Front Side Air Bag Satellite Sensor".
15.	Side air bag module LH	Refer to SRC-8, "Side Air Bag Module".
16.	Seat belt buckle switch LH	The seat belt buckle switches (LH/RH) provide the seat belt buckle signals to the air bag diagnosis sensor unit and the combination meter.

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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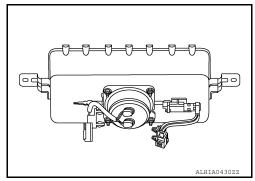
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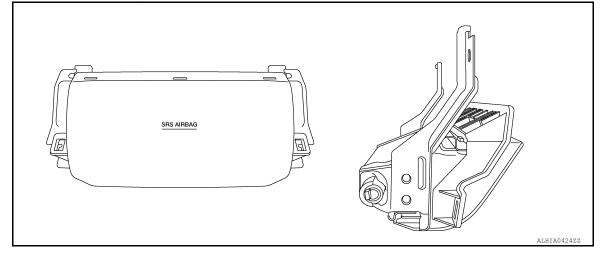
Front Passenger Air Bag Module

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



Left Knee Air Bag Module

The left knee air bag module is single stage and located in the instrument panel assembly below the steering wheel. It operates with the SRS system in a frontal collision exceeding a specified level. Refer to <u>SRC-12</u>, <u>"SRS AIR BAG SYSTEM: System Description"</u> for more information.



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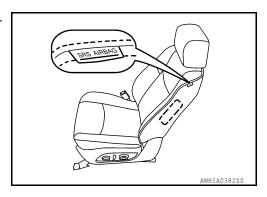
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Revision: October 2014 SRC-7 2015 Murano

Side Air Bag Module

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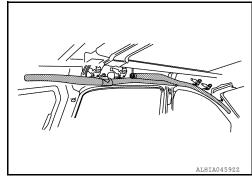
Side air bag modules are built into the front seatback assemblies. Vehicles with side air bags are equipped with labels as shown.



Side Curtain Air Bag Module

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



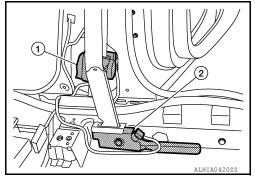
Front Seat Belt Pre-tensioner

INFOID:0000000011219676

The seat belt pre-tensioner system with load limiter is installed for both the driver seat and the front passenger 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 a frontal collision with an impact exceeding a specified level occurs, seat belt slack resulting from clothing or other factors is immediately taken up by the shoulder belt pre-tensioner (1) as well as the passenger seat lap belt pre-tensioner (2). Vehicle passengers are securely restrained.

When passengers in a vehicle are thrown forward in a collision and the restraining force of the seat belt exceeds a specified level, the load limiter permits the specified extension of the seat belt by the twisting of the ELP shaft and a relevation of the spect area seat belt.

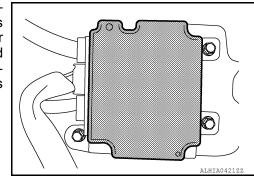


twisting of the ELR shaft and a relaxation of the chest-area seat belt web tension while maintaining force.

Air Bag Diagnosis Sensor Unit

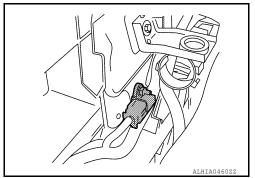
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The air bag diagnosis sensor unit is located under the center console assembly. The air bag diagnosis sensor unit receives signals from multiple SRS sensors and controls the deployment of the air bags. The deployment of the air bags depends on the type and severity of the collision. The air bag diagnosis sensor unit has self-diagnosis capability through the use of the CONSULT as well as flash codes displayed by the air bag warning lamp.



Crash Zone Sensor

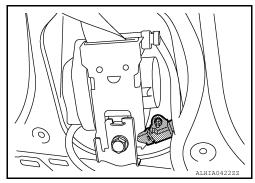
The crash zone sensor is located behind the radiator and underneath the front air duct. The crash zone sensor sends signals to the air bag diagnosis sensor unit during a frontal collision. This sensor



Front Side Air Bag Satellite Sensor

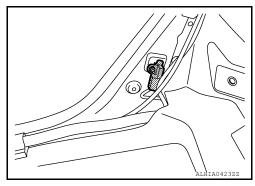
may be identified by a yellow connector.

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



Rear Side Air Bag Satellite Sensor

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



Front Door Satellite Sensor

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



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COMPONENT PARTS

< SYSTEM DESCRIPTION >

Front Passenger Air Bag Off Indicator

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Front passenger air bag OFF indicator indicates whether or not passenger air bag is in the activation mode based on the judgment of occupant detection system.



SRS Component Connectors

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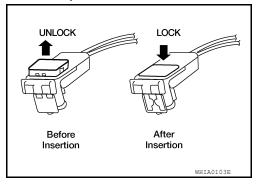
DIRECT CONNECT

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

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

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

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



SLIDE DOUBLE LOCKING

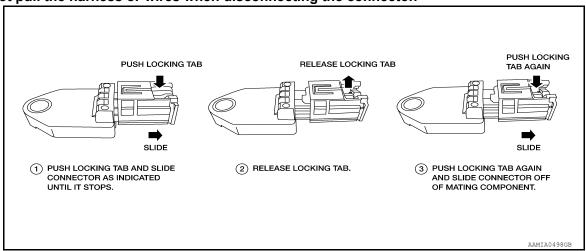
- A new style slide double locking type connector is used on certain systems and components especially those related to air bag control systems.
- The slide double locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide double locking type connectors are disconnected by pushing or pulling the slider. Refer to the figure below.

CAUTION:

COMPONENT PARTS

< SYSTEM DESCRIPTION >

• Do not pull the harness or wires when disconnecting the connector.



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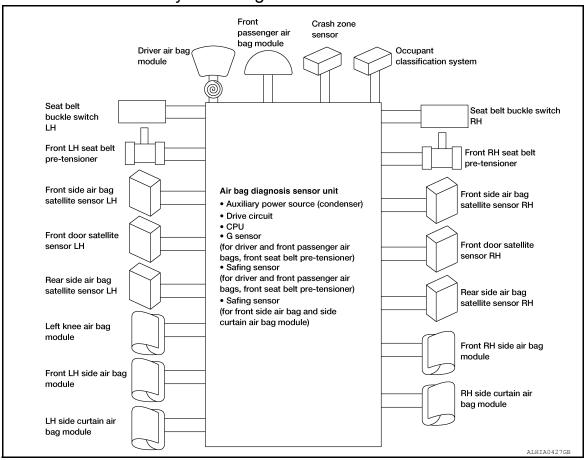
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SYSTEM SRS AIR BAG SYSTEM

SRS AIR BAG SYSTEM: System Diagram

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SRS AIR BAG SYSTEM : System Description

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

SRS Collision Modes

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

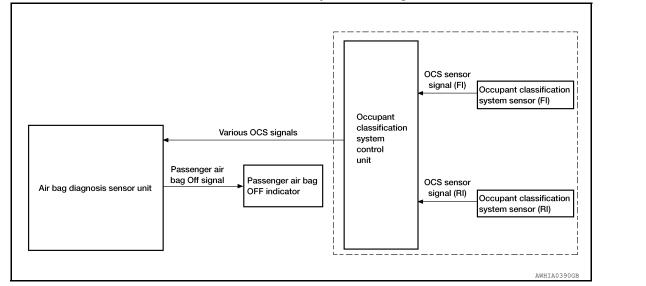
OCCUPANT CLASSIFICATION SYSTEM

OCCUPANT CLASSIFICATION SYSTEM: System Diagram

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OCCUPANT CLASSIFICATION SYSTEM: System Description

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The occupant classification system (OCS) identifies different size occupants, out of position occupants, and detects if a child seat is present in the front passenger seat. The OCS control unit (2) receives inputs from the occupant classification sensors (1) (located inside the passenger seat cushion assembly). Depending on classification of the passenger, the OCS sends a signal to the air bag diagnosis sensor unit. The air bag diagnosis sensor unit uses this signal and the seat belt buckle switch 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. The OCS (weight sensors) must be set to zero point using CONSULT after servicing the OCS system.

NOTF:

- CONSULT can be used to confirm when "zero point reset" for OCS is complete.
- Always perform zero point reset after the removal and installation of the seat or when disconnecting the OCS control unit harness connector even if zero point reset has been completed in the past.
- If zero point reset is incomplete, the passenger air bag will be disabled and the passenger air bag off indicator will be ON.
- In case of customer concern, CONSULT can be used to confirm the passenger air bag status (readiness).

Passenger Air Bag Status Conditions

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

NOTE:

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

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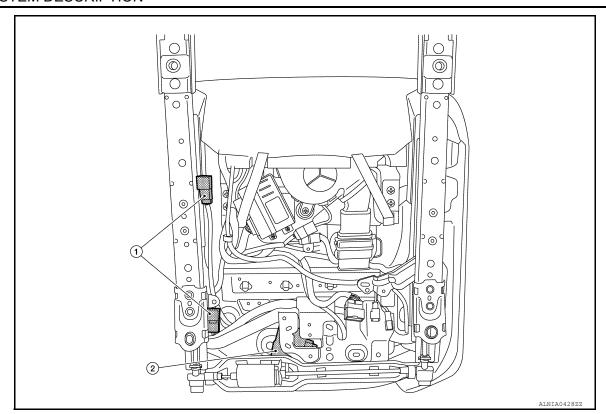
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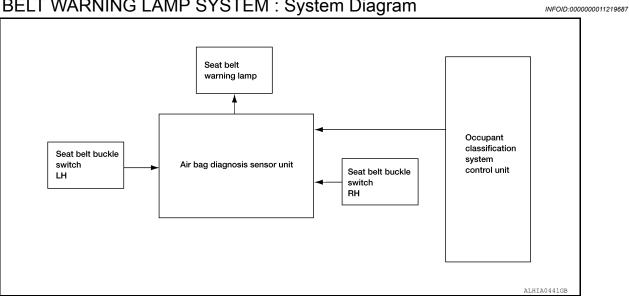
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SEAT BELT WARNING LAMP SYSTEM

SEAT BELT WARNING LAMP SYSTEM: System Diagram



SEAT BELT WARNING LAMP SYSTEM: System Description

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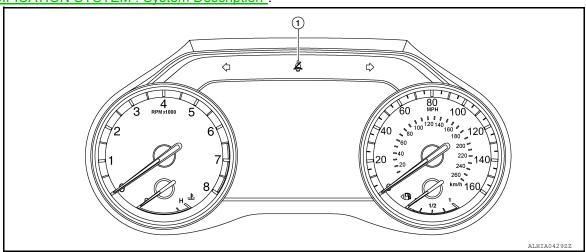
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The seat belt warning lamp (1) will remind the driver if the driver or front passenger seat belt should be buckled. The system works in conjunction with the occupant classification system. Refer to SRC-13, "OCCUPANT CLASSIFICATION SYSTEM: System Description".



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	
	Continuouniad		Buckled	Off	
Continuo	Seat occupied	Buckled		Unbuckled	On
Seat occupied	Seat unoccupied	†		Off	
_		Unbuckled	_	On	

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DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (AIR BAG)

Diagnosis Description

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.

HOW TO PERFORM TROUBLE DIAGNOSES FOR QUICK AND ACCURATE REPAIR

- 1. Obtain information about the symptom.
- WHAT vehicle model
- WHEN date, frequencies
- WHERE road conditions
- HOW operating conditions, symptoms, passengers
- 2. Perform Preliminary Check.
- Battery
- Fuses
- Harness connections

DIAGNOSIS METHODS

SRS "Self Diagnostic Result" can be read by using the AIR BAG warning lamp or CONSULT.

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

The Diagnosis Mode is for the technician. This mode helps the technician locate the malfunctioning circuit or part.

	User Mode	Diagnosis Mode	Display type
AIR BAG warning lamp	X	X	ON/OFF
CONSULT	_	X	Monitoring

SRS Operation Check

INFOID:0000000011219690

INFOID:0000000011219689

USER MODE

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



DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

No malfunction is detected. No further action is necessary. Air bag is deployed. Seat belt pre-tensioner is deployed. Air bag diagnosis sensor unit is malfunctioning. Air bag ower supply circuit is malfunctioning. SRS air bag warning lamp circuit is malfunctioning. IGN ON ON ON IGN ON ON ON IGN ON ON ON Air bag diagnosis sensor unit is malfunctioning. Air bag warning lamp circuit is malfunctioning. Refer to SRC-142. "Air Bag Warning Lamp Does Not Turn Off". Refer to SRC-141. "Air Bag Warning Lamp Does Not Turn On".	pag warning lamp flashing pattern (User Mod	e)	
No malfunction is detected. No further action is necessary. Air bag is deployed. Seat belt pre-tensioner is deployed. Seat belt pre-tensioner is deployed. Air bag diagnosis sensor unit is malfunctioning. Air bag power supply circuit is malfunctioning. SRS air bag warning lamp circuit is malfunctioning. Air bag diagnosis sensor unit is malfunctioning. Refer to SRC-142. "Air Bag Warning Lamp Does Not Turn Off". Refer to SRC-141. "Air Bag Warning Lamp Does Not Turn Off". Refer to SRC-141. "Air Bag Warning Lamp Does Not Turn Off". Refer to SRC-141. "Air Bag Warning Lamp Does Not Turn Off".	Warning lamp	SRS condition	Reference item
Part Does Not Turn Off. Air bag diagnosis sensor unit is malfunctioning. Air bag diagnosis sensor unit is malfunctioning. Air bag warning lamp circuit is malfunctioning. Air bag diagnosis sensor unit is malfunctioning. Air bag warning lamp circuit is malfunctioning. Air bag diagnosis sensor unit is malfunctioning. Air bag warning lamp circuit is malfunctioning. Air bag diagnosis sensor unit is malfunctioning. Air bag diagnosis sensor unit is malfunctioning. Air bag diagnosis sensor unit is malfunctioning. Refer to SRC-142. "Air Bag Warning Lamp Does Not Turn Off". Refer to SRC-141. "Air Bag Warning Lamp Does Not Turn On".	ON OFF		_
IGN ON ON OFF IGN ON	SHIAOC		Pafer to SR-5 "For Frontal Collision"
ON OFF OR Air bag diagnosis sensor unit is malfunctioning. • Air bag power supply circuit is malfunctioning. Refer to SRC-142. "Air Bag Warning Lamp Does Not Turn Off". Refer to SRC-141. "Air Bag Warning Lamp Does Not Turn Off". ON ON ON ON ON OFF Air bag diagnosis sensor unit is malfunctioning. • Air bag diagnosis sensor unit is malfunctioning. • Air bag warning lamp circuit is malfunctioning. Refer to SRC-141. "Air Bag Warning Lamp Does Not Turn On".			or SR-7, "For Side and Rollover Col-
ON • Air bag diagnosis sensor unit is malfunctioning. • Air bag warning lamp circuit is malfunctioning. • Air bag warning lamp circuit is malfunctioning. • Air bag warning lamp circuit is malfunctioning.	ON OFF	functioning.Air bag power supply circuit is malfunctioning.SRS air bag warning lamp circuit is malfunctioning.	
• Air bag diagnosis sensor unit is malfunctioning. • Air bag warning lamp circuit is malfunctioning. • Air bag warning lamp circuit is malfunctioning. Refer to SRC-141, "Air Bag Warning Lamp Does Not Turn On".	Shiauc	136	
	ON	functioning. • Air bag warning lamp circuit is mal-	
SHIA0014E		147	

Trouble Diagnosis with CONSULT

INFOID:0000000011219691

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- Connect CONSULT.
- DTC is displayed on SELF DIAGNOSTIC RESULT.

NOTE:

If a malfunction is not detected on "Self Diagnostic Result [CURRENT]", but a malfunction is detected during SRS Operation Check, the following cases may exist:

- "Self Diagnostic Result [PAST]" memory might not be erased. Refer to <u>SRC-17, "SRS Final Check"</u>
- SRS system malfunctions intermittently. Refer to <u>SRC-46, "Inspection Procedure"</u>.

SRS History Check

INFOID:0000000011219693

INFOID:0000000011219694

SRS HISTORY CHECK

- Check repair history of the SRS. If no repairs have been made, perform SRC-16, "SRS Operation Check". If repairs have been made, GO TO step 2.
- Erase "Self Diagnostic Result [PAST]" after repair. Refer to SRC-17, "SRS Final Check".

SRS Final Check

DIAGNOSIS MODE

Connect CONSULT.

SRC-17 Revision: October 2014 2015 Murano

DIAGNOSIS SYSTEM (AIR BAG)

< SYSTEM DESCRIPTION >

- Confirm that zero point reset of OCS is complete.
- 3. If no DTCs are detected on "Self Diagnostic Result [CURRENT]", repair of SRS is completed. Go to step 4.

If any DTCs are detected on "Self Diagnostic Result [CURRENT]", the malfunction has not been repaired completely or another malfunction is being detected. Perform SRS Operation Check again. Refer to SRC-16. "SRS Operation Check".

4. Touch "ERASE".

NOTE:

Touching "ERASE" will clear the SRS memory of the malfunction ("Self Diagnostic Result [PAST]"). If "Self Diagnostic Result [PAST]" is not erased, User Mode may show the previous system malfunction even if the malfunction has been repaired completely.

- 5. Check that no malfunction is detected in "Self Diagnostic Result [PAST]".
- 6. Exit Diagnosis Mode and disconnect the CONSULT.
- 7. Perform SRS Operation Check. Refer to SRC-16, "SRS Operation Check".

CONSULT Function (AIR BAG)

INFOID:0000000011219695

CAUTION:

After disconnecting the CONSULT vehicle interface (VI) from the data link connector, the ignition must be cycled OFF \rightarrow ON (for at least 5 seconds) \rightarrow OFF. If this step is not performed, the BCM may not go to "sleep mode", potentially causing a discharged battery and no-start condition.

APPLICATION ITEMS

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

Diagnostic Test Mode	Diagnostic Item	Description
"Self Diagnostic Result"	SELF DIAGNOSTIC RESULT [CURRENT]	A current "Self Diagnostic Result" (also indicated by the number of warning lamp flashes in the Diagnosis mode) is displayed on the CONSULT screen in real time. This refers to a malfunctioning part requiring repairs.
"Data Monitor"	DATA MONITOR	Displays air bag diagnosis sensor unit input/output data in real time.
"ECU Identification"	ECU DISCRIMINATED NO.	Air bag diagnosis sensor unit ECU discriminated number (identification number) or part number is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) or part number based on model and equipment.
"TROUBLE DIAG RECORD"	TROUBLE DIAG RECORD [PAST]	With "TROUBLE DIAG RECORD", diagnosis results previously erased by a reset operation can be displayed on the CONSULT screen.

CONSULT Function (OCCUPANT DETECTION)

INFOID:0000000011219696

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

Diagnostic Test Mode	Diagnostic Item	Description
"Work support"	ZERO POINT RESET FUNCTION	Perform zero point reset. Refer to <u>SRC-44, "ZERO POINT RESET: Special Repair Requirement"</u> .

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

DIAGNOSIS SENSOR UNIT

DTC Index

Α

DTC	Diagnostic item	Reference page
U1000–01	CAN COMM CIRCUIT	SRC-47, "Diagnosis Procedure"
U1010–49	CONTROL UNIT (CAN)	SRC-48, "Diagnosis Procedure"
B0001–00	DRIVER AIRBAG MODULE [SHORT]	
B0001-09	DRIVER AIRBAG MODULE [SHORT]	
B0001-11	DRIVER AIRBAG MODULE [GND-SHORT]	SRC-50, "Diagnosis Pro-
B0001-12	DRIVER AIRBAG MODULE [VB-SHORT]	cedure"
B0001-13	DRIVER AIRBAG MODULE [OPEN]	
B0001–1A	DRIVER AIRBAG MODULE [SHORT]	
B0002-00	DRIVER AIRBAG MODULE 2 [SHORT]	
B0002-09	DRIVER AIRBAG MODULE 2 [SHORT]	
B0002-11	DRIVER AIRBAG MODULE 2 [GND-SHORT]	SRC-50, "Diagnosis Pro-
B0002-12	DRIVER AIRBAG MODULE 2 [VB-SHORT]	cedure"
B0002-13	DRIVER AIRBAG MODULE 2 [OPEN]	
B0002-1A	DRIVER AIRBAG MODULE 2 [SHORT]	
B0010-09	ASSIST A/B MODULE [SHORT]	
B0010-11	ASSIST A/B MODULE [GND-SHORT]	
B0010-12	ASSIST A/B MODULE [VB-SHORT]	SRC-54, "Diagnosis Pro- cedure"
B0010-13	ASSIST A/B MODULE [OPEN]	333.2
B0010-1A	ASSIST A/B MODULE [SHORT]	
B0011-09	ASSIST A/B MODULE 2 [SHORT]	
B0011-11	ASSIST A/B MODULE 2 [GND-SHORT]	000000000000000000000000000000000000000
B0011-12	ASSIST A/B MODULE 2 [VB-SHORT]	SRC-54, "Diagnosis Procedure"
B0011-13	ASSIST A/B MODULE 2 [OPEN]	
B0011-1A	ASSIST A/B MODULE 2 [SHORT]	
B0020-09	SIDE A/B MODULE LH [SHORT]	
B0020-11	SIDE A/B MODULE LH [GND-SHORT]	
B0020-12	SIDE A/B MODULE LH [VB-SHORT]	SRC-57, "Diagnosis Procedure"
B0020-13	SIDE A/B MODULE LH [OPEN]	
B0020-1A	SIDE A/B MODULE LH [SHORT]	
B0021-09	CURTAIN A/B MODULE LH [SHORT]	
B0021-11	CURTAIN A/B MODULE LH [GND-SHORT]	000 00 100
B0021-12	CURTAIN A/B MODULE LH [VB-SHORT]	SRC-63, "Diagnosis Procedure"
B0021-13	CURTAIN A/B MODULE LH [OPEN]	
B0021–1A	CURTAIN A/B MODULE LH [SHORT]	

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< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Reference page
B0028-09	SIDE A/B MODULE RH [SHORT]	
B0028-11	SIDE A/B MODULE RH [GND-SHORT]	
B0028-12	SIDE A/B MODULE RH [VB-SHORT]	SRC-60, "Diagnosis Procedure"
B0028-13	SIDE A/B MODULE RH [OPEN]	333.5
B0028-1A	SIDE A/B MODULE RH [SHORT]	
B0029-09	CURTAIN A/B MODULE RH [SHORT]	
B0029-11	CURTAIN A/B MODULE RH [GND-SHORT]	
B0029-12	CURTAIN A/B MODULE RH [VB-SHORT]	SRC-66, "Diagnosis Procedure"
B0029-13	CURTAIN A/B MODULE RH [OPEN]	
B0029-1A	CURTAIN A/B MODULE RH [SHORT]	
B1434-09	KNEE AIRBAG MODULE LH [SHORT]	
B1434-11	KNEE AIRBAG MODULE LH [GND-SHORT]	
B1434-12	KNEE AIRBAG MODULE LH [VB-SHORT]	SRC-120, "Diagnosis Procedure"
B1434-13	KNEE AIRBAG MODULE LH [OPEN]	99419
B1434-1A	KNEE AIRBAG MODULE LH [SHORT]	
B0091-11	B-PILLAR SAT SEN LH [GND-SHORT]	
B0091–23	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]	
B0091–24	B-PILLAR SAT SEN LH [UPPER LIMIT ERR]	
B0091-25	B-PILLAR SAT SEN LH [SELF-DIAG ERR]	
B0091–28	B-PILLAR SAT SEN LH [OFFSET ERR]	SRC-73, "Diagnosis Procedure"
B0091–81	B-PILLAR SAT SEN LH [COMM ERR]	
B0091–86	B-PILLAR SAT SEN LH [UNMATCH]	
B0091–88	B-PILLAR SAT SEN LH [OPEN]	
B0091–93	B-PILLAR SAT SEN LH [RESET]	
B0092-11	C-PILLAR SAT SEN LH [GND-SHORT]	
B0092-23	C-PILLAR SAT SEN LH [LOWER LIMIT ERR]	
B0092-24	C-PILLAR SAT SEN LH [UPPER LIMIT ERR]	
B0092-25	C-PILLAR SAT SEN LH [SELF-DIAG ERR]	
B0092-28	C-PILLAR SAT SEN LH [OFFSET ERR]	SRC-81, "Diagnosis Procedure"
B0092-81	C-PILLAR SAT SEN LH [COMM ERR]	99419
B0092-86	C-PILLAR SAT SEN LH [UNMATCH]	
B0092-88	C-PILLAR SAT SEN LH [DISCONNECT]	
B0092–93	C-PILLAR SAT SEN LH [RESET]	
B0093-11	DOOR SATEL SENS LH [GND-SHORT]	
B0093-23	DOOR SATEL SENS LH [LOWER LIMIT ERR]	
B0093-24	DOOR SATEL SENS LH [UPPER LIMIT ERR]	
B0093-25	DOOR SATEL SENS LH [SELF-DIAG ERR]	
B0093–28	DOOR SATEL SENS LH [OFFSET ERR]	SRC-89, "Diagnosis Procedure"
B0093-81	DOOR SATEL SENS LH [COMM ERR]	<u>ocadie</u>
B0093-86	DOOR SATEL SENS LH [UNMATCH]	
B0093-88	DOOR SATEL SENS LH [OPEN]	
B0093-93	DOOR SATEL SENS LH [RESET]	

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Reference page
B0094–11	CRASH ZONE SENS [GND-SHORT]	
B0094–23	CRASH ZONE SENS [LOWER LIMIT ERR]	
B0094-24	CRASH ZONE SENS [UPPER LIMIT ERR]	
B0094-25	CRASH ZONE SENS [SELF-DIAG ERR]	
B0094-28	CRASH ZONE SENS [OFFSET ERR]	SRC-69, "Diagnosis Procedure"
B0094-81	CRASH ZONE SENS [COMM ERR]	
B0094-86	CRASH ZONE SENS [UNMATCH]	
B0094-88	CRASH ZONE SENS [OPEN]	
B0094-93	CRASH ZONE SENS [RESET]	
B0096-11	B-PILLAR SAT SEN RH [GND-SHORT]	
B0096-23	B-PILLAR SAT SEN RH [LOWER LIMIT ERR]	
B0096-24	B-PILLAR SAT SEN RH [UPPER LIMIT ERR]	
B0096-25	B-PILLAR SAT SEN RH [SELF-DIAG ERR]	
B0096-28	B-PILLAR SAT SEN RH [OFFSET ERR]	SRC-77, "Diagnosis Procedure"
B0096-81	B-PILLAR SAT SEN RH [COMM ERR]	<u>oddire</u>
B0096-86	B-PILLAR SAT SEN RH [UNMATCH]	
B0096-88	B-PILLAR SAT SEN RH [OPEN]	
B0096-93	B-PILLAR SAT SEN RH [RESET]	
B0097-11	C-PILLAR SAT SEN RH [GND-SHORT]	
B0097-23	C-PILLAR SAT SEN RH [LOWER LIMIT ERR]	
B0097-24	C-PILLAR SAT SEN RH [UPPER LIMIT ERR]	
B0097-25	C-PILLAR SAT SEN RH [SELF-DIAG ERR]	
B0097-28	C-PILLAR SAT SEN RH [OFFSET ERR]	SRC-85, "Diagnosis Procedure"
B0097–81	C-PILLAR SAT SEN RH [COMM ERR]	
B0097-86	C-PILLAR SAT SEN RH [UNMATCH]	
B0097-88	C-PILLAR SAT SEN RH [OPEN]	
B0097–93	C-PILLAR SAT SEN RH [RESET]	
B0098-11	DOOR SATEL SENS RH [GND-SHORT]	
B0098-23	DOOR SATEL SENS RH [LOWER LIMIT ERR]	
B0098-24	DOOR SATEL SENS RH [UPPER LIMIT ERR]	
B0098-25	DOOR SATEL SENS RH [SELF-DIAG ERR]	
B0098-28	DOOR SATEL SENS RH [OFFSET ERR]	SRC-93, "Diagnosis Procedure"
B0098-81	DOOR SATEL SENS RH [COMM ERR]	333.3
B0098-86	DOOR SATEL SENS RH [UNMATCH]	
B0098-88	DOOR SATEL SENS RH [OPEN]	
B0098–93	DOOR SATEL SENS RH [RESET]	

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< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Reference page
B00A0-00	OCCUPANT SENS [ABNORMAL VOLTAGE]	
B00A0-02	OCCUPANT SENS [UNIT MALFUNC]	
B00A0-09	OCCUPANT SENS [UNIT MALFUNC]	
B00A0-04	OCCUPANT SENS C/U [UNIT MALFUNC]	
B00A0-83	OCCUPANT SENS C/U [COMM ERR]	SDC 05 "Description"
B00A0-86	OCCUPANT SENS C/U [COMM ERR]	SRC-95, "Description"
B00A0-87	OCCUPANT SENS C/U [COMM ERR]	
B00A0-88	OCCUPANT SENS C/U [COMM ERR]	
B00A0-8F	OCCUPANT SENS C/U [UNDEFINED]	
B00A0-93	OCCUPANT SENS C/U [RESET]	
B00D5-04	PASS A/B INDCTR CKT [UNIT MALFUNC]	
B00D5-11	PASS A/B INDCTR CKT [GND-SHORT]	
B00D5-12	PASS A/B INDCTR CKT [VB-SHORT]	SRC-102, "Diagnosis Procedure"
B00D5-13	PASS A/B INDCTR CKT [OPEN]	<u> </u>
B00D5-15	PASS A/B INDCTR CKT [PWR-SHORT/OPEN]	
B1428-13	BUCKLE SW LH CIRCUIT [OPEN]	
B1428-12	BUCKLE SW LH CIRCUIT [VB-SHORT]	SRC-105, "Diagnosis Pro-
B1428-11	BUCKLE SW LH CIRCUIT [GND-SHORT]	cedure"
B1428-00	BUCKLE SW LH CIRCUIT [UNDEFINED]	
B1429–13	BUCKLE SW RH CIRCUIT [OPEN]	
B1429-12	BUCKLE SW RH CIRCUIT [VB-SHORT]	SRC-108, "Diagnosis Pro-
B1429-11	BUCKLE SW RH CIRCUIT [GND-SHORT]	cedure"
B1429-00	BUCKLE SW RH CIRCUIT [UNDEFINED]	
B1430-09	PRE-TEN FRONT LH [SHORT]	
B1430-11	PRE-TEN FRONT LH [GND-SHORT]	
B1430-12	PRE-TEN FRONT LH [VB-SHORT]	SRC-111, "Diagnosis Procedure"
B1430-13	PRE-TEN FRONT LH [OPEN]	<u> </u>
B1430-1A	PRE-TEN FRONT LH [SHORT]	
B1431-09	PRE-TEN FRONT RH [SHORT]	
B1431-11	PRE-TEN FRONT RH [GND-SHORT]	
B1431-12	PRE-TEN FRONT RH [VB-SHORT]	SRC-114, "Diagnosis Procedure"
B1431-13	PRE-TEN FRONT RH [OPEN]	<u>oddic</u>
B1431–1A	PRE-TEN FRONT RH [SHORT]	
B1436-09	ACTIVE VENT [SHORT]	
B1436-11	ACTIVE VENT [GND-SHORT]	
B1436-12	ACTIVE VENT [VB-SHORT]	SRC-123, "Diagnosis Procedure"
B1436-13	ACTIVE VENT [OPEN]	<u>ccadic</u>
B1436–1A	ACTIVE VENT [SHORT]	
B1433-09	PRE-TEN FRONT RH 2 [SHORT]	
B1433-11	PRE-TEN FRONT RH 2 [GND-SHORT]	
B1433-12	PRE-TEN FRONT RH 2 [VB-SHORT]	SRC-117, "Diagnosis Procedure"
B1433-13	PRE-TEN FRONT RH 2 [OPEN]	<u>cedure</u>
B1433-1A	PRE-TEN FRONT RH 2 [SHORT]	

< ECU DIAGNOSIS INFORMATION >

DTC	Diagnostic item	Reference page
B142A-16	IGNITION VOLTAGE [VB-LOW]	SRC-126, "Diagnosis Pro-
B142A-17	IGNITION VOLTAGE [VB-HIGH]	cedure"
B1400-00		
B1401-00		
B1402-00		SRC-130, "Diagnosis Pro-
B1403-00		cedure"
B1404-00		
B1405-00		
B1406-00		
B1407-00		000 100 100
B1408-00		SRC-132, "Diagnosis Procedure"
B1409-00		333.0
B1410-00	CONTROL UNIT [UNIT MALFUNC]	
B1411-00		
B1412-00		000 400 800
B1413-00		SRC-133, "Diagnosis Procedure"
B1414-00		333.0
B1415-00		
B1416-00		
B1417-00		
B1418-00		SRC-136, "Diagnosis Procedure"
B1419-00		333.0
B1420-00		
B1421-00	FRONTAL COLLISION	
B1422-00	SIDE COLLISION	SRC-130, "Diagnosis Pro-
B1423-00	ROLLOVER DETECTION	cedure"
B1425-00	REAR COLLISION	
B14XX-00	AIRBAG DISPOSAL COMPLETION	SRC-139, "Diagnosis Pro-
B1426-00	AIRBAG DISPOSAL DETECT	cedure"
B1427–55	ECU SETTING	SRC-128, "Diagnosis Procedure"

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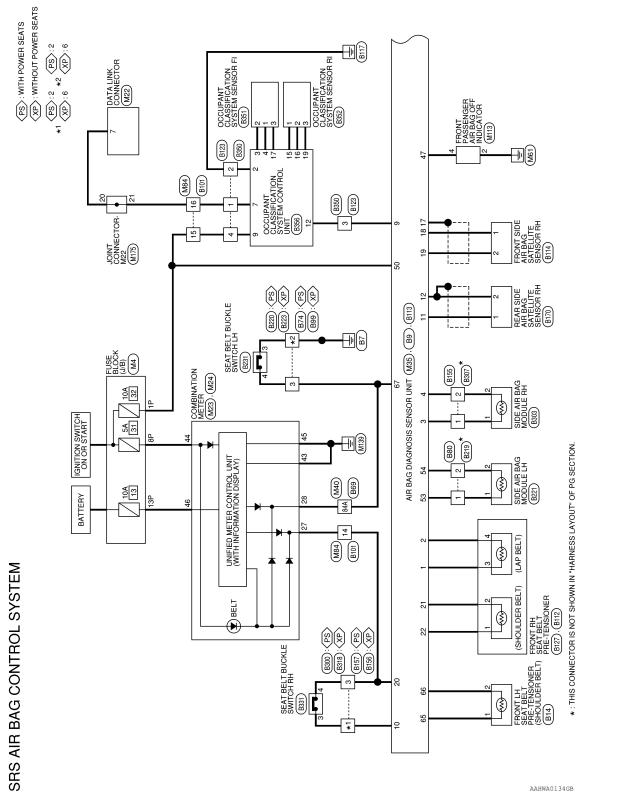
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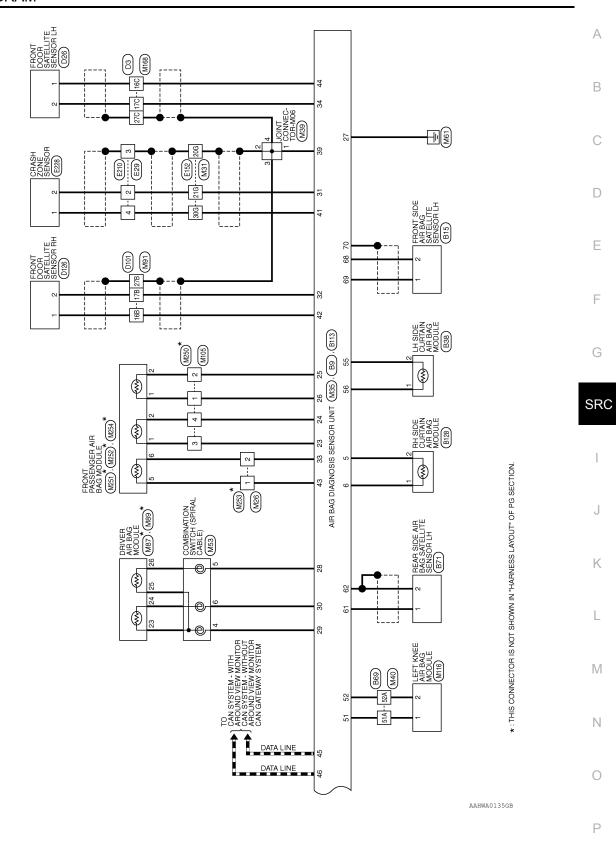
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WIRING DIAGRAM

SRS AIR BAG SYSTEM

Wiring Diagram





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SRS AIR BAG CONTROL SYSTEM CONNECTORS

e la		Connector No. M4
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Connector Name DATA LINK CONNECTOR

M22

Connector No.

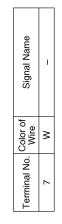
Connector Color WHITE

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	_		3P 2P 1P	18	
	<u>@</u>		2P	96	
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	SE	ļ≒	5P	14P	
₹	⊡	⋠	7P 6P 5P 4P	16P 15P 14P 13P 12P 11P 10P 9P 8P	
	r Name FUSE BLOCK (J/B)	or Color WHITE	7P	16P	
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r No.	<u></u>	Ž			



Signal Name	I	_	1
Color of Wire	В	BG	W
Terminal No. Color of Wire	1P	8P	13P

3	COMBINATION METER	ITE	43 44 45 46 47 48	Signal Name	GND1	POWER (IGN)	GND2	POWER (BAT)
. M23		lor WHITE	41 42 49 50	Color of Wire	В	BG	В	×
Connector No.	Connector Name	Connector Color	崎利 H.S.	Terminal No.	43	44	45	46





Connector Name | COMBINATION METER

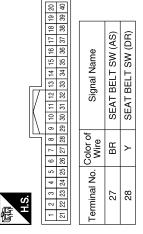
M24

Connector No.

Connector Color WHITE



1 2	Signal Nam	ı	ı
	Color of Wire	BG	>
H.S.	Terminal No. Color of Wire	-	٥



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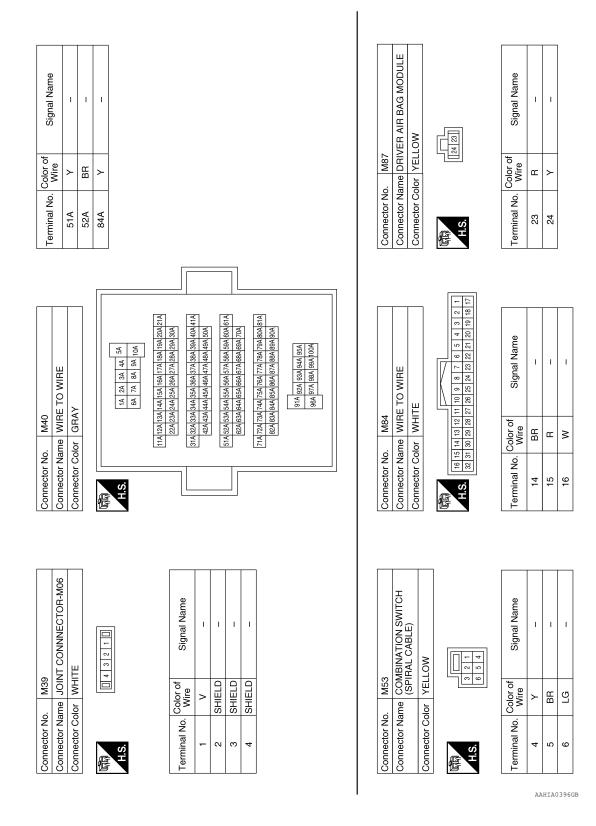
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					Signal Name	GND	ı	ECZS 1+	SIDE SENS RH2+	ACTIVE VENT +	SIDE SENS LH2+	CAN-L	CAN-H	A/B CUTOFF TELLTALE	-	ı	IGN	
					Color of Wire	>	ı	В	В	BG	В	۵	٦	œ	_	1	Œ	
					Terminal No.	39	40	41	42	43	44	45	46	47	48	49	20	
	ı																	
Signal Name	ı	ı	_		Signal Name	GND	INFLATOR DR2+	INFLATOR DR1- & DR2-	INFLATOR DR1+	ECZS 1-	SIDE SENS RH2-	ACTIVE VENT-	SIDE SENS LH2-	ı	1	ı	I	1
Wire	SHIELD	>	В		Color of Wire	В	BR	-	LG	>	>	>	W	1	-	ı	ı	1
emma No.	20G	21G	30G		Terminal No.	27	28	29	30	31	32	33	34	35	35	36	37	38
WIRE TO WIRE	T	<u> </u>		16 26 36 46 56 106	SISONOSIO SVA	SENSOR UNIT	YELLOW			26 27 28 29 30	35 36 37	44 45 46 47 48 49 50		Signal Name	INFLATOR AS2+	INFLATOR AS2-	INFLATOR AS1-	INFLATOR AS1+
	_	\neg		31 G 226 31 G 226 32 G 226 33 G 226 34 G 226 34 G 226 34 G 226 34 G 226 34 G 226 35 G 226 36 G 226 37 G 226 38 G 2	o. M35	SEN				23 24 25	31 32 33	41 42 43 44	Color of	Wire	≯	G	G	8
Connector Name	Connector Color			S. #	Connector No.		Connector Color	 [F	H.S.				l erminal No.	23	24	25	26
_	<u> </u>	บ	<u> </u>	_3		-		. L	<u> </u>							AAHI	:A044	3GB

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Connector No. M105 Connector Name WIRE TO WIRE Connector Color YELLOW MIS (4 3 2 1)	Terminal No. Color of Signal Name 1 W 2 G 3 W 4 G	Connector No. M168 Connector Name WIRE TO WIRE	
Connector No. M91 Connector Name WIRE TO WIRE Connector Color WHITE	18 28 38 48 58 68 78 88 98 108 118 128 148 158 148 1	Connector No. M116 Connector Name LEFT KNEE AIR BAG MODULE Connector Color YELLOW Terminal No. Wire Signal Name 1 Y	Ş
Connector No. M89 Connector Name DRIVER AIR BAG MODULE Connector Color ORANGE	Terminal No. Color of Wire Signal Name 25 L – 26 G –	Connector No. M113 Connector Name FRONT PASSENGER AIR BAG OFF INDICATOR Connector Color BLACK Terminal No. Wire Signal Name 2 B	

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Connector No. M175		Connector No.	o. M250		Connector No.	M251	
Connector Name JOINT CONNECTOR-M22	NNECTOR-M22	Connector Name WIRE TO WIRE	ame WIRE	TO WIRE	Connector Name FRONT PASSENGER	FRONT PA	ASSENGER
Connector Color WHITE		Connector Color YELLOW	olor YELL(MO		AIR BAG IV	NODULE
					Connector Color YELLOW	r YELLOW	
H.S.	6 5 4 3 2 1	原 S H		3 4	E		JE
22 21 20 19 18	17 16 15 14 13 12		J		H.S.		a
33 32 31 30 29 28	8 27 26 25 24 23						
Terminal No. Color of Wire	Signal Name	Terminal No. Wire	Color of Wire	Signal Name	Terminal No. Wire		Signal Name
20 W	1	-	_	1	-		1
21 W	1	2	_	1	2		1
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Connector No.). M254	.4
Connector Na	ame FRC BAG	Connector Name FRONT PASSENGER AIR BAG MODULE
Connector Color		ORANGE
原 H.S.		
Terminal No.	Color of Wire	Signal Name
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9	>	1

Connector No.	o. M253	53
Connector Name WIRE TO WIRE	ame WIF	RE TO WIRE
Connector Color YELLOW	olor YEL	TOW
图 H.S.		
Terminal No.	Color of Wire	Signal Name
-	>	ı
c	>	

Connector No.). M252	2
Connector Na	ame FRC AIR	Connector Name FRONT PASSENGER AIR BAG MODULE
Connector Color GREEN	olor GRE	EN
原动 H.S.		4 3
Terminal No.	Color of Wire	Signal Name
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200	21G	30G																			
	_													7							
TO WIRE			56 46 36 26 16 106 96 86 76 66	216206196186176166156146136126116	8G27G26G25G24G23G22G	416 406 396 386 376 366 356 346 336 326 316	50G49G48G47G46G45G44G43G42G	6196095996589679569589549539529519 70969966896796696599849639629	81G80G72G77G76G75G74G73G72G71G	86 86 85 84 83 82	95G 94G 93G 92G 91G 100G 99G 98G 97G 96G		Connector Name CRASH ZONE SENSOR			Signal Name	1	1			
ame WIRE	olor WHI I		56 106	21G20G19G1	30G29G2	41G40G39G3	50G 49G 4	61G60G59G5 70G69G6	81G80G79G7	8068968	956	o. E228	ame CRASI			Color of Wire	Œ	>			
Connector Name WIRE TO WIRE	Connector Color WHIIE		H.S.									Connector No.	Connector Name CRASH Z		H.S.	Terminal No.	-	2			
			I											7				1			
TO WIRE	A			Signal Name	ı	ı	1						TO WIRE		2 1	Signal Name	ı	1	1		
Connector Name WIRE TO WIRE	Connector Color YELLUW	•	N -	Color of Wire	В	SHIELD	*					. E210	Connector Name WIRE TO WIRE		4	Color of Wire	M	SHIELD	æ		
ector Na			Н.S.	Terminal No.		3	4					Connector No.	nector Na		Ä.S.	Terminal No.	2		4		

Revision: October 2014 SRC-31 2015 Murano

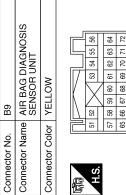
Connector No.	B14
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER (SHOULDER BELT)
Connector Color YELLOW	YELLOW

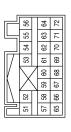


Signal Name	ı	I
Color of Wire	В	0
Terminal No.	,	2

Signal Name	ı	ı	RR SATELLITE SENS LH+	RR SATELLITE SENS LH-	1	1	ELR LH+	ELR LH-	BUCKLE SW FR LH	SIDE SENS LH-	SIDE SENS LH+	GND	ı	1
Color of Wire	ı	ı	>	В	ı	ı	G	0	G/W	В	Μ	SHIELD	ı	1
Color of Wire	59	09	61	62	63	64	65	99	29	89	69	70	71	72

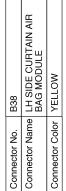
Signal Name	ı	ı	RR SATELLITE SENS LH+	RR SATELLITE SENS LH-	I	ı	ELR LH+	ELR LH-	BUCKLE SW FR LI	SIDE SENS LH-	SIDE SENS LH+	GND	1	I	
Color of Wire	ı	1	>	В	-	1	Э	0	G/W	В	Μ	SHIELD	_	-	
Terminal No.	59	09	61	62	63	64	99	99	29	89	69	70	71	72	

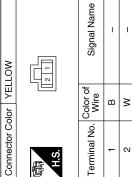






Signal Name	KN LH+	KN LH-	SIDE INF LH+	SIDE INF LH-	_	1
Color of Wire	BR/Y	0/1	>	BR	_	ı
Terminal No. Color of Wire	51	52	53	54	22	58







 Signal Name



Connector Color

B15

Connector No.







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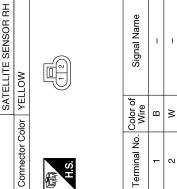
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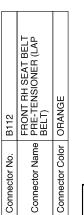
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		А
Signal Name	WIRE (WITHOUT EATS) Signal Name	В
1 101 1 1 2 8 1 1 1 1 1	MRE TO WIRE OWER SEATS HITE A	С
Colo Colo	Vo. B99 Name WIRE T Nolor WHITE Color of G/W B/V B/V	D
Connector No. Connector Name Connector Color H.S. 1 W Will 2 E	Connector No. B99 Connector Name WIRE TO WIRE (WITHOUT POWER SEATS) Connector Color WHITE Terminal No. Wire Signal Name 3 G/W 6 B/V	E
		F
Signal Name	NIRE Signal Name	G
Color of Wire BR/Y LO G/W	Solor of Wire PR YELOW Wire Y Y BR	SRC
51A BF 52A L 84A G	ctor NC State Stat	I
	Conne Conne Termir	J
		K
A A A A A A A A A A	WIRE (WITH EATS) Signal Name	L
Segment		M
Connector No. Connector Name Connector Color H.S. ##A################################	Connector Name WIRE T Connector Color WHITE Terminal No. Color of 2 B/V 3 G/W	Ν
Connec Connec H.S.	Connector No Connector No Connector No Connector Connector Connector Connector Connector Connector Connector No Connector	0
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Revision: October 2014 SRC-33 2015 Murano





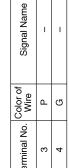




Connector Name | WIRE TO WIRE Connector Color WHITE

B101

Connector No.



Si			
Color of Wire	Ь	g	
Terminal No.	8	4	

Signal Name	1	I	I
Color of Wire	BR	L/R	BR
Terminal No. Wire	14	15	16

Signal Name	1	ODS INPUT	BUCKLE SW FR RH-	RR SATELLITE SENS RH+	RR SATELLITE SENS RH-	ı	ı	I	ı	GND	SIDE SENS RH+	SIDE SENS RH-	BUCKLE SW FR RH+	ELR RH-	ELR RH+
Color of Wire	ı	٦	В	В	Μ	1	ı	ı	ı	SHIELD	В	>	BR	0	Μ
Terminal No.	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22

	<u>S</u>		
	SSI		9 4 2
	ž.		21 2 21 22 23 23 23 23 23 23 23 23 23 23 23 23
	ĭĕ		3 4 5 11 12 13 19 20 21
	0 m	>	1 1 3
	N N N	8	
B113	1 H SS	ווֱו	7 8 9 10 11 12 13 14 15 16 14 15 16 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15
B	SE A	>	7 8 9
	e	_	1 7 1 5
Connector No.	Connector Name AIR BAG DIAGNOSIS SENSOR UNIT	Connector Color YELLOW	H.S.



Signal Name	ELR RH2+	ELR RH2-	SIDE INF RH+	SIDE INF RH-	INF CURTAIN RR RH-	INF CURTAIN RR RH+	1
Color of Wire	۵	В	M	\	M	В	ı
Terminal No. Wire	-	7	8	4	9	9	7

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		7									
B128 RH SIDE CURTAIN AIR	BAG MODULE			Signal Name	I	I					
<u>e</u>	BAG			color of Wire	В	*					
Connector No.	Connector Color YELLOW		H.S.	Terminal No. Wire	-	2					
B127 FRONT RH SEAT BELT	PRE-TENSIONER (SHOULDER BELT)	YELLOW		Signal Name	ı	1					
				Color of Wire	M	0					
Connector No.	Connector Name	Connector Color	原则 H.S.	Terminal No. Wire	1	2					
									1		
ETO WIRE	<u> </u>	R		Signal Name	ı	ı	ı	-			
B123 me WIRE	or WHI		4	Solor of Wire	BR	В		L/R			
Connector No. B123 Connector Name WIRE TO WIRE	Connector Color WHITE	•	H.S.	Terminal No. Wire	1	2	ဧ	4			

37	Connector Name WIRE TO WIRE (WITH POWER SEATS)	HITE	2	f Signal Name	ı	ı
о О	ame W	olor	- ω	Color o Wire	<u>m</u>	BR
Confidence Dist	Connector N	Connector Color WHITE	原 H.S.	Terminal No. Wire	2	က
oc	Connector Name WIRE TO WIRE (WITHOUT POWER SEATS)		3 - Q	Signal Name	I	1
<u>-</u>	ame WI	olor W	<u> </u>	Color of Wire	BB	В
COILIECTOI INC. DISC	Connector Na	Connector Color WHITE	H.S.	Terminal No. Wire	က	9
23	Connector Name WIRE TO WIRE			Signal Name	ı	ı
). DI33	ame WIF	- - -		Color of Wire	MΠ	٨
COLINECTO INO.	Connector Name WIRE TC		H.S.	Terminal No. Wire	-	2

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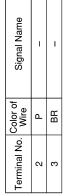
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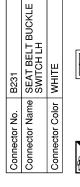
SRC-35 Revision: October 2014 2015 Murano

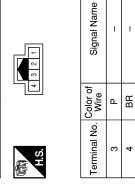
Connector No.	B220
Connector Name	Connector Name WIRE TO WIRE (WITH POWER SEATS)
Connector Color WHITE	WHITE

3 3 6 7 6 10 9 8 7 6	Signal Name	I	
5 4 3	Color of Wire	Ь	00
Ø	ninal No.	2	·

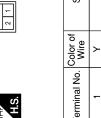


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Signal Name	ı	ı	



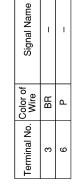


B219	WIRE TO WIRE	YELLOW	
Connector No.	Connector Name WIRE TO WIRE	Connector Color YELLOW	



Signal	1	
Color of Wire	У	Υ
Terminal No.	-	2

B223	Connector Name WIRE TO WIRE (WITHOUT POWER SEATS)	WHITE
Connector No.	Connector Name	Connector Color WHITE



	SOR RH	
	AIR BAG LLITE SENSOR RH	W

0,	SIDE AIR BAG SATELLITE SENSOR F	YELLOW		Signal Name	1	
. B170		lor YEI		Color of Wire	В	
Connector No.	Connector Name	Connector Color	原 H.S.	Terminal No.	-	

Connector No.	B221
Connector Name	Connector Name SIDE AIR BAG MODULE LH
Connector Color YELLOW	YELLOW
(中)	<u> </u>

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

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B307 WIRE TO WIRE YELLOW		r of Signal Name	ı	
Connector No. B307 Connector Name WIRE TO WIRE Connector Color YELLOW	(南) H.S.	Terminal No. Wire	۱ h	0
Connector No. B303 Connector Name SIDE AIR BAG MODULE RH Connector Color YELLOW			- -	>
BAG MODULE RH		Signal Name	ı	
Connector No. B303 Connector Name SIDE AIR Connector Color YELLOW	H.S.	Terminal No. Wire	٦	c
HTIW	0 8 8 2 2 1 1 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Signal Name	ı	1
tor No. B300 tor Name WIRE TO WIRE (POWER SEATS) tor Color WHITE	5 4 3 112 111 10	Il No. Color of Wire	۵	BB

0.	RE TO WIRE	ITE	2 3 4	Signal Name	_	I	I	
. B350	me WIF	lor WH		Color of Wire	GR	В	BR/W	/4/
Connector No.	Connector Name WIRE TO WIRE	Connector Color WHITE	图 H.S.	Terminal No. Wire	1	2	3	,

11	SEAT BELT BUCKLE SWITCH RH	里	2 2 1	Signal Name	_	=
. B331		lor WHITE		Color of Wire	Ь	BR
Connector No.	Connector Name	Connector Color	原 H.S.	Terminal No. Wire	င	4

8	WIRE TO WIRE (WITHOUT POWER SEATS)	ITE	3 1	Signal Name	ı	1
. B318		lor WHITE	[2] [2]	Color of Wire	BR	۵
Connector No.	Connector Name	Connector Color	是 H.S.	Terminal No.	က	y

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Signal Name	I	_	LOAD SENSOR REAR INNER GND	LOAD SENSOR REAR INNER SIGNAL	LOAD SENSOR FRONT INNER VCC	_	LOAD SENSOR REAR INNER VCC	I
Color of Wire	-	_	T/M	SB	В	_	>	-
Terminal No. Wire	13	14	15	16	17	18	19	20

Signal Name	LOAD SENSOR FRONT INNER SIGNAL	LOAD SENSOR FRONT INNER GND	-	ı	K-LINE	_	NSI	_	_	ACU COMM
Color of Wire	LG	R/B	-	ı	GR	1	8	ı	1	BR/W
Terminal No.	е	4	2	9	7	8	6	10	11	12

nector No.	ġ		B356	9						
nector Name OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT	Nan	эс	OCCUPANT CLASSIFICA SYSTEM CONTROL UNIT	SE SE	AN M C	ΕŽ)LA ITR	SSI	FIC	ATION IT
nector Color BLACK	Colc	×	BLA	Ş						
							П			ſ
οį	P	တ	∞	7	9	5	4	8	2	<u> </u>
	20	20 19	18 17 16 15 14 13 12	17	16	15	14	13	12	=

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	Connector Color	Solc		BL/	BLACK			
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	ATIA							
	H.S.	10	6	8	7	9	5	4
		20	19	18	17	16	15	-
		J						1

Connector Name OCCUPANT CLASSIF SYSTEM CONTROL U			က	13		Signal Nam		₽
XE.			4	14		Jal	'	GND
50			5	15		Sign		
A M			9	16				
35	Ş		7	17				
SYS	BLACK		80	18		Color of Wire		
<u>e</u>			6	19		olor c Wire	ı	<u> </u>
lαπ	8		10	20				
<u> </u>	Š	`	=	_	,	8		
ectc	əctc		7.7			nal	1	N
ŭ	Connector Color	唇	H.S.			Terminal No.		
ŏ	ŏ		_			Τe		

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Signal Name

Color of Wire SB

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Terminal No.





Connector No.	B351
Connector Name	OCCUPANT CLASSIFICATION SYSTEM SENSOR FI
Connector Color	BLACK
	3 2 1
Terminal No.	Color of Signal Name Wire
	R/B _

Connector No.	B351
Connector Name OCCUPANT CL. SYSTEM SENS(OCCUPANT CL. SYSTEM SENS
Connector Color	BLACK



Connector No. D26	
O WIRE O WIRE O WIRE O WIRE O WIRE O 20 10 O O 10 O	PHONT DOOR SATELLITE SENSOR RH YELLOW or of Signal Name
140 No. D3 Stor No. D3 Stor No. D3 Stor Color WHITE Stor Color WHITE Stor Color of Stor Color of No. Color of C	ctor No.
Connection of the connection o	aAHIA0452GB

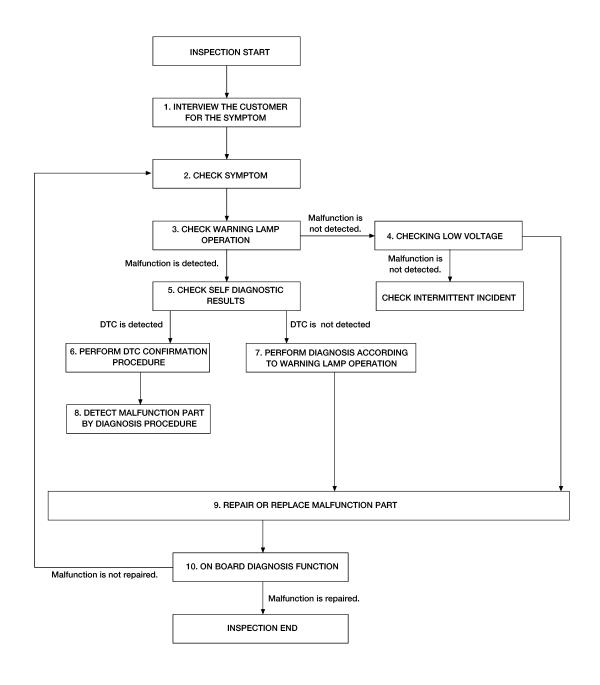
Revision: October 2014 SRC-39 2015 Murano

BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

OVERALL SEQUENCE



AWHIA0555GB

DIAGNOSIS AND REPAIR WORK FLOW < BASIC INSPECTION > 1. INTERVIEW THE CUSTOMER FOR THE SYMPTOM Α Interview the customer for the symptom (the condition and the environment when the incident/malfunction occurs). В >> GO TO 2. 2.CHECK SYMPTOM Check the symptom from the customer information. >> GO TO 3. D 3.CHECK WARNING LAMP OPERATION Check air bag warning lamp operation in the user mode. Е Are any malfunctions detected? YES >> GO TO 5. NO >> GO TO 4. 4.CHECK LOW VOLTAGE Check low voltage with CONSULT. Are any malfunctions detected? YES >> GO TO 9. NO >> Check intermittent incident. Refer to GI-42, "Intermittent Incident". ${f 5.}$ CHECK SELF DIAGNOSTIC RESULT SRC Check "Self Diagnostic Result" with CONSULT or diagnosis mode. If it is impossible to switch to diagnosis mode, follow the same procedure that DTC is not detected. NOTE: Perform the following procedure if DTC is detected: Record DTC. (Print them out with CONSULT.) · Erase "Self Diagnostic Result". • Study the relationship between the malfunction that DTC or air bag warning lamp indicates and the symptom that the customer describes. · Check related service bulletins for information. K Is DTC detected? YES >> GO TO 6. NO >> GO TO 7. **O.**PERFORM DTC CONFIRMATION PROCEDURE Perform DTC CONFIRMATION PROCEDURE for the DTC. M >> GO TO 8. 7 .PERFORM DIAGNOSIS ACCORDING TO WARNING LAMP OPERATION N Check air bag warning lamp operation in the user mode. Perform Diagnosis Procedure for the air bag warning lamp operation.

>> GO TO 9.

8. DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the DTC.

>> GO TO 9.

9.REPAIR OR REPLACE THE MALFUNCTION PART

Repair or replace the malfunctioning part.

Revision: October 2014 SRC-41 2015 Murano

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

>> GO TO 10.

10.on board diagnosis function

Check "Self Diagnostic Result" and air bag warning lamp operation in the user mode.

Is the malfunction repaired?

YES >> Inspection End.

NO >> GO TO 2.

INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

INSPECTION AND ADJUSTMENT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT: Description

INFOID:0000000011219701

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AIR BAG DIAGNOSIS SENSOR UNIT

Before Replacement

When replacing air bag diagnosis sensor unit, save or print current vehicle specification with CONSULT configuration before replacement.

NOTE:

If "Before Replace ECU" of "Read / Write Configuration" cannot be used, use the "Manual Configuration" after replacing air bag diagnosis sensor unit.

After Replacement

CAUTION:

Follow the instructions listed below. Failure to do this may cause malfunctions to the air bag diagnosis sensor unit.

- Never perform "Read / Write Configuration" or "Manual Configuration" except for new air bag diagnosis sensor unit.
- When replacing air bag diagnosis sensor unit, you must perform "Read / Write Configuration" or "Manual Configuration" with CONSULT.
- Complete the procedure of "Read / Write Configuration" or "Manual Configuration" in order.
- If you set incorrect "Read / Write Configuration" or "Manual Configuration", incidents might occur.
- Configuration is different for each vehicle model. Confirm configuration of each vehicle model.

OCS CONTROL UNIT

WARNING:

Always perform zero point reset using CONSULT when removing and installing the front passenger seat or servicing the occupant classification system (OCS). If zero point reset is not performed, the OCS may not operate normally, which may increase the risk of serious injury in a collision.

ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT: Special Repair Requirement

WORK PROCEDURE WHEN REPLACING AIR BAG DIAGNOSIS SENSOR UNIT

1. SAVING VEHICLE SPECIFICATION

(P)CONSULT Configuration

Perform "Before Replace ECU" of "Read / Write Configuration" to save or print current vehicle specification. **NOTE:**

If "Before Replace ECU" of "Read / Write Configuration" cannot be used, use the "Manual Configuration" after replacing air bag diagnosis sensor unit.

>> GO TO 2.

2.REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to SR-29. "Removal and Installation".

>> GO TO 3.

3. WRITING VEHICLE SPECIFICATION

CONSULT Configuration

Perform "After Replace ECU" of "Read / Write Configuration" or "Manual Configuration" to write vehicle specification. Refer to SRC-44, "CONFIGURATION: Work Procedure".

>> WORK END

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INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

WORK PROCEDURE WHEN REPLACING OCS CONTROL UNIT

1. PERFORM ZERO POINT RESET

Perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Special Repair Requirement".

>> Inspection End.

ZERO POINT RESET

ZERO POINT RESET: Description

Zero point reset is an initializing procedure for the OCS (weight) sensors that must be performed using CON-SULT when removing and installing passenger seat or servicing the OCS system, including removing or installing OCS control unit and sensors. If zero point reset is not performed, the initialization is incomplete and OCS may not operate normally.

NOTE:

- When reinstalling the passenger seat, the initial value for the OCS sensors may change, and the OCS may not operate normally.
- When zero point reset is performed after removal and installation of passenger seat, CONSULT displays "complete".

ZERO POINT RESET: Special Repair Requirement

INFOID:0000000011219704

INFOID:0000000011219703

1. PERFORM ZERO POINT RESET

1. Perform preliminary checks.

NOTE:

- · Level the vehicle.
- · Minimize vibrations near the vehicle.
- · Remove any objects on passenger seat.
- Do not touch the vehicle during zero point reset.
- 2. Select "Start" on "Zero point reset function" from "Work support" of "OCCUPANT DETECTION".
- 3. "Zero point reset function" starts.

>> GO TO 2.

2.CONFIRM RESET

1. Check that "Complete" is displayed on "Zero point reset status".

CAUTION:

- "Complete" may be displayed if the seat has been reinstalled or "zero point reset" has already been performed.
- "Incomplete" may be displayed if a new seat is installed.
- Air bag warning lamp blinks in user mode if zero point reset is "incomplete".

Is zero point reset status "complete"?

YES >> Print out "Zero point reset current status" screen. Inspection end.

NO >> Recheck the preliminary check items and perform zero point reset again.

CONFIGURATION

CONFIGURATION: Work Procedure

INFOID:0000000011506347

1. WRITING MODE SELECTION

(P)CONSULT Configuration

Select "Re/programming, Configuration" of air bag.

When writing saved data>>GO TO 2.

When writing manually>>GO TO 3.

2.PERFORM "AFTER REPLACE ECU" OF "READ / WRITE CONFIGURATION"

(P)CONSULT Configuration

INSPECTION AND ADJUSTMENT

< BASIC INSPECTION >

Perform "After Replace ECU" of "Read / Write Configuration". Α >> GO TO 4. ${f 3.}$ PERFORM "MANUAL CONFIGURATION" В ©CONSULT Configuration 1. Select "Manual Configuration". 2. Touch "Next". 3. Select the "Type ID" searched by using FAST (service parts catalogue) to write the "Type ID" into the air bag diagnosis sensor unit. Touch "OK". D 5. Check that the configuration has been successfully written and touch "End". >> GO TO 4. Е 4. CHECK ALL ECU SELF-DIAGNOSIS RESULTS Erase all ECU self-diagnosis results using CONSULT. Turn the ignition switch OFF. F 3. Turn the ignition switch ON. 4. Check that all ECU self-diagnosis results have no DTC. >> WORK END

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INTERMITTENT INCIDENT

< BASIC INSPECTION >

INTERMITTENT INCIDENT

Inspection Procedure

INFOID:0000000011219705

INTERMITTENT TROUBLE

An intermittent incident may have occurred in the past but is not being detected currently. This DTC will not be detected on "Self Diagnostic Result [CURRENT]" but may be viewed on "Self Diagnostic Result [PAST]" if the DTC has not been erased.

Trouble Diagnosis with CONSULT

INFOID:0000000011219706

CHECK SRS REPAIR HISTORY

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

U1000 CAN COMM CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

U1000 CAN COMM CIRCUIT

Description INFOID:0000000011219707

CAN (Controller Area Network) is a serial communication system for real-time application. It is an on-vehicle multiplex communication system with high data communication speed and excellent error detection ability. Many electronic control units are equipped into vehicles, and each control unit shares information and links with other control units during operation. With CAN communication, control units are connected with two communication lines (CAN-H line, CAN-L line), allowing a high rate of information transmission with less wiring. Each control unit transmits and receives data but selectively reads required data only. Refer to LAN-37, "CAN COMMUNICATION SYSTEM: CAN Communication Signal Chart".

DTC Logic (INFOID:0000000011219708

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
	CAN COMM CIRCUIT	Diagnosis condition	When ignition switch is ON.	
U1000-01		Signal (terminal)	_	
01000-01		Threshold	_	
		Diagnosis delay time	_	

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

_

DTC CONFIRMATION PROCEDURE

1. PERFORM SELF DIAGNOSTIC RESULT

- 1. Turn ignition switch ON and wait for 7 seconds or more.
- 2. Using CONSULT, perform "Self Diagnostic Result" of "AIR BAG".
- 3. Check if any DTC is displayed in the "Self Diagnostic Result".

Is DTC detected?

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

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

Diagnosis Procedure

1. CHECK CAN COMMUNICATION SYSTEM

Check CAN communication system. Refer to LAN-21, "Trouble Diagnosis Flow Chart".

>> Inspection End.

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INFOID:0000000011219709

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Revision: October 2014 SRC-47 2015 Murano

U1010 CONTROL UNIT (CAN)

< DTC/CIRCUIT DIAGNOSIS >

U1010 CONTROL UNIT (CAN)

Description INFOID:0000000011219710

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

DTC Logic INFOID:000000011219711

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition		
	CONTROL UNIT (CAN)	Diagnosis condition	When ignition switch is ON.	
114040		Signal (terminal)	_	
U1010		Threshold	_	
		Diagnosis delay time	_	

POSSIBLE CAUSE

Air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. PERFORM SELF DIAGNOSTIC RESULT

- 1. Turn ignition switch ON.
- 2. Using CONSULT, perform "Self Diagnostic Result" of "AIR BAG".
- 3. Check if DTC is displayed in the "Self Diagnostic Result".

Is DTC detected?

YES >> Refer to <u>SRC-48</u>, "<u>Diagnosis Procedure</u>".

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011219712

1. REPLACE AIR BAG DIAGNOSIS SENSOR UNIT

Replace air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".

>> Inspection End.

< DTC/CIRCUIT DIAGNOSIS >

B0001, B0002 DRIVER AIRBAG MODULE

Α **DTC** Description INFOID:0000000011219714

DTC DETECTION LOGIC

DTC	CONSULT name		DTC de	etecting condition
			Diagnosis condition	When ignition switch is ON.
	DRIVER AIRBAG MODULE	13	Signal (terminal)	Driver air bag module circuit (DR1) (terminal 23 and 24)
	[Of EN]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	DRIVER AIRBAG MODULE	12	Signal (terminal)	Driver air bag module circuit (DR1) (terminal 23 and 24)
DRIVER AIRBAG MODULE [OPEN] DRIVER AIRBAG MODULE [VB-SHORT] DRIVER AIRBAG MODULE [CND-SHORT] DRIVER AIRBAG MODULE [CND-SHORT] DRIVER AIRBAG MODULE [CND-SHORT] DRIVER AIRBAG MODULE [SHORT] DRIVER AIRBAG MODULE [SHORT] DRIVER AIRBAG MODULE 2ND [OPEN] Thresholo [OPEN] DRIVER AIRBAG MODULE 2ND [OPEN] DRIVER AIRBAG MODULE 2ND [OPEN] Thresholo [OPEN] Thresholo [OPEN] DRIVER AIRBAG MODULE 2ND [OPEN] DRIVER AIRBAG MODULE 2ND [OPEN] Thresholo [OPEN] DRIVER AIRBAG MODULE 2ND [OPEN] Thresholo [OPEN] Thre	[VB-3110[X1]		Threshold	_
	Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.
		11	Signal (terminal)	Driver air bag module circuit (DR1) (terminal 23 and 24)
	[נואטחס-טוטאו]		Threshold	
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
		00	Signal (terminal)	Driver air bag module circuit (DR1) (terminal 23 and 24)
			Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
		13	Signal (terminal)	Driver air bag module circuit (DR2) (terminal 25 and 26)
	[OPEN]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
		12	Signal (terminal)	Driver air bag module circuit (DR2) (terminal 25 and 26)
	[VD-SHOKI]		Threshold	_
DOOO			Diagnosis delay time	_
B0002			Diagnosis condition	When ignition switch is ON.
		11	Signal (terminal)	Driver air bag module circuit (DR2) (terminal 25 and 26)
	[נואטחס-טוטאו]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
		00	Signal (terminal)	Driver air bag module circuit (DR2) (terminal 25 and 26)
	[GIOKI]		Threshold	_
			Diagnosis delay time	_

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< DTC/CIRCUIT DIAGNOSIS >

POSSIBLE CAUSE

[OPEN]

- Connection malfunction or open circuit of harness and connector
- · Internal malfunction of driver air bag module
- · Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of driver air bag module
- · Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- · Connection malfunction or short circuit to ground of harness and connector
- · Internal malfunction of driver air bag module
- · Internal malfunction of air bag diagnosis sensor unit

[SHORT]

- · Connection malfunction or short circuit of harness and connector
- Internal malfunction of driver air bag module
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to SRC-50, "Diagnosis Procedure".

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2.erase self diagnostic result

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-50, "Diagnosis Procedure"</u>.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

- Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check".

NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-50</u>, "<u>Diagnosis Procedure</u>".

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011219715

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

< DTC/CIRCUIT DIAGNOSIS >

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 <u>GI-42</u>, "<u>Intermittent Incident</u>".

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4. CHECK SPIRAL CABLE CIRCUIT

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

Driver air b	pag module	Spira	l cable	Continuity
Connector	Connector Terminal		Terminal	Continuity
M87	23		4	Yes
IVIO 1	24	M53	6	
M89	25		4	
IVI89	26		5	

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

Driver air	bag module		Continuity	
Connector	Terminal		Continuity	
M87	23	Ground		
IVIO /	24	Ground	No	
MOO	25		INO	
M89	26			

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace the spiral cable. Refer to <u>SR-15, "Removal and Installation"</u>.

5.CONFIRM DTC

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

Is DTC still current?

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< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 6.

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

6. AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7.DRIVER AIR BAG MODULE

- 1. Replace the driver air bag module. Refer to SR-12, "Removal and Installation".
- 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.

>> Inspection End.

B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

B0010, B0011 PASSENGER AIRBAG MODULE

DTC Description

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DTC DETECTION LOGIC

DTC	CONSULT name		DTC detec	eting condition
			Diagnosis condition	When ignition switch is ON
	ASSIST AIRBAG MODULE [OPEN]	13	Signal (terminal)	Front passenger air bag module circuit (AS1) (terminal 5 and 6)
			Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON
	ASSIST AIRBAG MODULE [VB-SHORT]	12	Signal (terminal)	Front passenger air bag module circuit (AS1) (terminal 5 and 6)
B0010	[VB-3HOK1]		Threshold	_
			Diagnosis delay time	_
D0010			Diagnosis condition	When ignition switch is ON
	ASSIST AIRBAG MODULE	11	Signal (terminal)	Front passenger air bag module circuit (AS1) (terminal 5 and 6)
	[GND-SHORT]		Threshold	_
			Diagnosis delay time	_
	ASSIST AIRBAG MODULE [SHORT]	09	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS1) (terminal 5 and 6)
			Threshold	_
			Diagnosis delay time	_
	ASSIST AIRBAG MODULE 2ND	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Front passenger air bag module circuit (AS2) (terminal 1 and 2)
	[OPEN]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON
	ASSIST AIRBAG MODULE 2ND	12	Signal (terminal)	Front passenger air bag module circuit (AS2) (terminal 1 and 2)
	[VB-SHORT]		Threshold	_
B0011			Diagnosis delay time	_
וויטס			Diagnosis condition	When ignition switch is ON
	ASSIST AIRBAG MODULE 2ND [GND-SHORT]	11	Signal (terminal)	Front passenger air bag module circuit (AS2) (terminal 1 and 2)
	[GIAD-GHORT]		Threshold	_
			Diagnosis delay time	-
			Diagnosis condition	When ignition switch is ON
	ASSIST AIRBAG MODULE 2ND [SHORT]	09	Signal (terminal)	Front passenger air bag module circuit (AS2) (terminal 1 and 2)
			Threshold	_
			Diagnosis delay time	

POSSIBLE CAUSE

B0010, B0011 PASSENGER AIRBAG MODULE

< DTC/CIRCUIT DIAGNOSIS >

[OPEN]

- · Connection malfunction or open circuit of harness and connector
- · Internal malfunction of passenger air bag module
- · Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]

- Connection malfunction or short circuit to power supply of harness and connector
- · Internal malfunction of passenger air bag module
- · Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- · Connection malfunction or short circuit to ground of harness and connector
- · Internal malfunction of passenger air bag module
- · Internal malfunction of air bag diagnosis sensor unit

[SHORT]

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of passenger air bag module
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

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

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2.erase self diagnostic result

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-16</u>, "SRS Operation Check".

NOTE:

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

Is the DTC detected?

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

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011219718

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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

NOTE:

B0010, B0011 PASSENGER AIRBAG MODULE < DTC/CIRCUIT DIAGNOSIS > All harness connectors should be inspected from the air bag diagnosis unit to the end component (including any in-line connectors). Α Is the inspection result normal? YES >> GO TO 2. NO >> Perform one of the following repairs: В 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. D Check for DTC using CONSULT. Is DTC still current? Е YES >> GO TO 3. NO >> Refer to GI-42, "Intermittent Incident". 3. WIRING HARNESS Check the wiring harness for visible damage. 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. SRC NO >> Replace the harness. 4.CONFIRM DTC Reconnect all harness connectors. Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current? YES >> GO TO 5. NO >> Refer to GI-42, "Intermittent Incident". ${f 5}.$ AIR BAG DIAGNOSIS SENSOR UNIT K Replace the air bag diagnosis sensor unit. Refer to SR-29, "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. M **O.**FRONT PASSENGER AIR BAG MODULE Replace the front passenger air bag module. Refer to SR-18, "Removal and Installation". N Turn ignition switch ON. Check for DTC using CONSULT.

Replace the related harness.

/ .RELATED HARNESS

>> GO TO 7.

>> Clear DTC. Inspection End.

Is DTC still current?

YES

NO

>> Inspection End.

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B0020 SIDE AIRBAG MODULE LH

DTC Description

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detec	cting condition
		13	Diagnosis condition	When ignition switch is ON
	SIDE AIRBAG MODULE LH		Signal (terminal)	Side air bag module LH circuit (terminal 1 and 2)
	[OF LN]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON
	SIDE AIRBAG MODULE LH [VB-SHORT]	12	Signal (terminal)	Side air bag module LH circuit (terminal 1 and 2)
			Threshold	_
B0020			Diagnosis delay time	_
B0020	SIDE AIRBAG MODULE LH [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	Side air bag module LH circuit (terminal 1 and 2)
			Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON
	SIDE AIRBAG MODULE LH [SHORT]	00	Signal (terminal)	Side air bag module LH circuit (terminal 1 and 2)
			Threshold	_
			Diagnosis delay time	_

POSSIBLE CAUSE

[OPEN]

- · Connection malfunction or open circuit of harness and connector
- · Internal malfunction of side air bag module LH
- · Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]

- Connection malfunction or short circuit to power supply of harness and connector
- · Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- Connection malfunction or short circuit to ground of harness and connector
- · Internal malfunction of side air bag module LH
- Internal malfunction of air bag diagnosis sensor unit [SHORT]
- · Connection malfunction or short circuit of harness and connector
- Internal malfunction of side air bag module LH
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS > YES (Current DTC)>> Refer to SRC-57, "Diagnosis Procedure". YES (Past DTC)>> GO TO 2. Α NO >> Inspection End. 2.erase self diagnostic result В Erase the DTC using CONSULT. Can the DTC be erased? YES >> Inspection End. >> Refer to SRC-57, "Diagnosis Procedure". NO DTC CONFIRMATION PROCEDURE (Without CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT D Turn ignition switch ON. Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check". Е NOTE: SRS will not enter diagnosis mode if no malfunction is detected in user mode. Is the DTC detected? YES >> Refer to <u>SRC-57</u>, "<u>Diagnosis Procedure</u>". NO >> Inspection End. Diagnosis Procedure INFOID:0000000011219721 1. HARNESS CONNECTOR Visually inspect all applicable harness connectors for the following: SRC 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. K · Loose terminal: Secure the terminal. Poor connection: Secure the connection. 2.confirm dtc Reconnect all harness connectors. Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current? YES >> GO TO 3. >> Refer to GI-42, "Intermittent Incident". N NO 3.WIRING HARNESS Check the wiring harness for visible damage. NOTE: The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors). Р Is the inspection result normal? YES >> GO TO 4. NO >> Replace the harness.

- 1. Reconnect all harness connectors.
- 2. Turn ignition switch ON.

CONFIRM DTC

Check for DTC using CONSULT.

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B0020 SIDE AIRBAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

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-29, "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. SIDE AIR BAG MODULE LH

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

>> Inspection End.

B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B0028 SIDE AIRBAG MODULE RH

DTC Description

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DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition				
			Diagnosis condition	When ignition switch is ON			
	SIDE AIRBAG MODULE RH [OPEN]	13	Signal (terminal)	Side air bag module RH circuit (terminals 1 and 2)			
	[OF LIN]		Threshold	_			
			Diagnosis delay time	_			
			Diagnosis condition	When ignition switch is ON			
	SIDE AIRBAG MODULE RH	12	Signal (terminal)	Side air bag module RH circuit (terminals 1 and 2)			
	[VB-SHORT]		Threshold	_			
B0028			Diagnosis delay time	_			
B0028	SIDE AIRBAG MODULE RH		Diagnosis condition	When ignition switch is ON			
		11	Signal (terminal)	Side air bag module RH circuit (terminals 1 and 2)			
	[GND-SHORT]		Threshold	_			
			Diagnosis delay time	_			
			Diagnosis condition	When ignition switch is ON			
	SIDE AIRBAG MODULE RH	09	Signal (terminal)	Side air bag module RH circuit (terminals 1 and 2)			
	[SHORT]		Threshold	-			
			Diagnosis delay time	_			

POSSIBLE CAUSE

[OPEN]

Connection malfunction or open circuit of harness and connector

- · Internal malfunction of side air bag module RH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of side air bag module RH
- · Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- · Connection malfunction or short circuit to ground of harness and connector
- · Internal malfunction of side air bag module RH
- · Internal malfunction of air bag diagnosis sensor unit

[SHORT]

- · Connection malfunction or short circuit of harness and connector
- Internal malfunction of side air bag module RH
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

Revision: October 2014 SRC-59 2015 Murano

B0028 SIDE AIRBAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-60, "Diagnosis Procedure".

YES (Past DTC)>> GO TO 2.

>> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-60</u>, "<u>Diagnosis Procedure</u>".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check".

NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-60, "Diagnosis Procedure"</u>.

>> Inspection End. NO

Diagnosis Procedure

INFOID:0000000011219724

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

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

Is DTC still current?

YES >> GO TO 3.

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

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

B0028 SIDE AIRBAG MODULE RH	
< DTC/CIRCUIT DIAGNOSIS >	
NO >> Replace the harness.	
4.CONFIRM DTC	А
 Reconnect all harness connectors. Turn ignition switch ON. Check for DTC using CONSULT. 	В
Is DTC still current?	
YES >> GO TO 5. NO >> Refer to GI-42, "Intermittent Incident".	С
5. AIR BAG DIAGNOSIS SENSOR UNIT	
Replace the air bag diagnosis sensor unit. Refer to <u>SR-29</u> , "Removal and Installation".	
 Turn ignition switch ON. Check for DTC using CONSULT. 	5
Is DTC still current?	Е
YES >> GO TO 6. NO >> Clear DTC. Inspection End.	
6. SIDE AIR BAG MODULE RH	F
Replace the side air bag module RH.	
 Turn ignition switch ON. Check for DTC using CONSULT. 	G
Is DTC still current?	
YES >> GO TO 7. NO >> Clear DTC. Inspection End.	SRC
7. RELATED HARNESS	
Replace the related harness.	
Replace the related harness.	I
>> Inspection End.	
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B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B0021 SIDE CURTAIN AIR BAG MODULE LH

DTC Description

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting	condition
	CURTAIN AIRBAG MODULE LH CIR- CUIT	13	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	LH side curtain air bag module circuit (terminal 1 and 2)
	[OPEN]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON
	CURTAIN AIRBAG MODULE LH CIR- CUIT [VB-SHORT]	12	Signal (terminal)	LH side curtain air bag module circuit (terminal 1 and 2)
			Threshold	_
B0021			Diagnosis delay time	_
B0021	CURTAIN AIRBAG MODULE LH CIR- CUIT [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON
			Signal (terminal)	LH side curtain air bag module circuit (terminal 1 and 2)
			Threshold	_
			Diagnosis delay time	_
		09	Diagnosis condition	When ignition switch is ON
	CURTAIN AIRBAG MODULE LH CIR- CUIT [SHORT]		Signal (terminal)	LH side curtain air bag module circuit (terminal 1 and 2)
			Threshold	_
			Diagnosis delay time	_

POSSIBLE CAUSE

[OPEN]

- Connection malfunction or open circuit of harness and connector
- · Internal malfunction of side curtain air bag module LH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]

- · Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of side curtain air bag module LH
- · Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- · Connection malfunction or short circuit to ground of harness and connector
- · Internal malfunction of side curtain air bag module LH
- · Internal malfunction of air bag diagnosis sensor unit

[SHORT]

- · Connection malfunction or short circuit of harness and connector
- · Internal malfunction of side curtain air bag module LH
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

1. CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. Check for DTC using CONSULT. Is the DTC detected? В YES (Current DTC)>> Refer to SRC-63, "Diagnosis Procedure". YES (Past DTC)>> GO TO 2. >> Inspection End. 2.erase self diagnostic result Erase the DTC using CONSULT. D Can the DTC be erased? YES >> Inspection End. NO >> Refer to SRC-63, "Diagnosis Procedure". Е DTC CONFIRMATION PROCEDURE (Without CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT 1. Turn ignition switch ON. Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check". NOTE: SRS will not enter diagnosis mode if no malfunction is detected in user mode. Is the DTC detected? YES >> Refer to <u>SRC-63</u>, "<u>Diagnosis Procedure</u>". NO >> Inspection End. SRC Diagnosis Procedure INFOID:0000000011219727 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. L 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 N 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 Р Check the wiring harness for visible damage. NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

B0021 SIDE CURTAIN AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

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

5. AIR BAG DIAGNOSIS SENSOR UNIT

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-29, "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.SIDE CURTAIN AIR BAG MODULE LH

- Replace the side curtain air bag module 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.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

B0029 SIDE CURTAIN AIR BAG MODULE RH

DTC Description

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting	ng condition
			Diagnosis condition	When the ignition switch is ON
B0029	CURTAIN AIRBAG MODULE RH	13	Signal (terminal)	RH side curtain air bag module circuit (terminal 1 and 2)
	[OPEN]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When the ignition switch is ON
B0029	CURTAIN AIRBAG MODULE RH [VB-SHORT]	12	Signal (terminal)	RH side curtain air bag module circuit (terminal 1 and 2)
			Threshold	_
			Diagnosis delay time	_
		11	Diagnosis condition	When the ignition switch is ON
B0029	CURTAIN AIRBAG MODULE RH [GND-SHORT]		Signal (terminal)	RH side curtain air bag module circuit (terminal 1 and 2)
			Threshold	
			Diagnosis delay time	_
			Diagnosis condition	When the ignition switch is ON
B0029	CURTAIN AIRBAG MODULE RH	09	Signal (terminal)	RH side curtain air bag module circuit (terminal 1 and 2)
	[SHORT]		Threshold	_
			Diagnosis delay time	_

POSSIBLE CAUSE

[OPEN]

· Connection malfunction or open circuit of harness and connector

- Internal malfunction of curtain air bag module RH
- · Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]

- · Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of curtain air bag module RH
- · Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- · Connection malfunction or short circuit to ground of harness and connector
- · Internal malfunction of curtain air bag module RH
- · Internal malfunction of air bag diagnosis sensor unit

[SHORT]

- · Connection malfunction or short circuit of harness and connector
- Internal malfunction of curtain air bag module RH
- · Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

Revision: October 2014 SRC-65 2015 Murano

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B0029 SIDE CURTAIN AIR BAG MODULE RH

< DTC/CIRCUIT DIAGNOSIS >

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-66, "Diagnosis Procedure".

YES (Past DTC)>> GO TO 2.

>> Inspection End.

2.erase self diagnostic result

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-66</u>, "<u>Diagnosis Procedure</u>".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check".

NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-66</u>, "<u>Diagnosis Procedure</u>".

>> Inspection End. NO

Diagnosis Procedure

INFOID:0000000011219730

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

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

Is DTC still current?

YES >> GO TO 3.

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

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

B0029 SIDE CURTAIN AIR BAG MODULE RH	
< DTC/CIRCUIT DIAGNOSIS >	
NO >> Replace the harness.	^
4.CONFIRM DTC	Α
 Reconnect all harness connectors. Turn ignition switch ON. Check for DTC using CONSULT. 	В
Is DTC still current?	
YES >> GO TO 5.	С
NO >> Refer to GI-42, "Intermittent Incident".	C
5. AIR BAG DIAGNOSIS SENSOR UNIT	
 Replace the air bag diagnosis sensor unit. Refer to <u>SR-29, "Removal and Installation"</u>. Turn ignition switch ON. Check for DTC using CONSULT. 	D
Is DTC still current?	Е
YES >> GO TO 6. NO >> Clear DTC. Inspection End.	
6. SIDE CURTAIN AIR BAG MODULE RH	F
Replace the side curtain air bag module RH. Refer to <u>SR-22, "Removal and Installation"</u> .	
2. Turn ignition switch ON.	
Check for DTC using CONSULT. Is DTC still current?	G
YES >> GO TO 7.	
NO >> Clear DTC. Inspection End.	SR
7.RELATED HARNESS	
Replace the related harness.	1
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B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B0094 CRASH ZONE SENSOR

DTC Description

INFOID:0000000011219732

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition			
			Diagnosis condition	When ignition switch is ON.	
	CRASH ZONE SEN-	93	Signal (terminal)	Crash zone sensor (terminal 1 and 2)	
	SOR [RESET]		Threshold	_	
			Diagnosis delay time	_	
	CRASH ZONE SEN- SOR [COMM ERR]	81	Diagnosis condition	When ignition switch is ON.	
			Signal (terminal)	Crash zone sensor (terminal 1 and 2)	
			Threshold	_	
			Diagnosis delay time	_	
	CRASH ZONE SEN- SOR [OPEN]	88	Diagnosis condition	When ignition switch is ON.	
			Signal (terminal)	Crash zone sensor (terminal 1 and 2)	
			Threshold	_	
			Diagnosis delay time	_	
		86	Diagnosis condition	When ignition switch is ON.	
	CRASH ZONE SEN-		Signal (terminal)	Crash zone sensor (terminal 1 and 2)	
B0094	SOR [UNMATCH]		Threshold	_	
			Diagnosis delay time	_	
	CRASH ZONE SENSOR [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.	
			Signal (terminal)	Crash zone sensor (terminal 1 and 2)	
			Threshold	_	
			Diagnosis delay time	_	
	CRASH ZONE SEN- SOR [SELF-DIAG ERR]	25	Diagnosis condition	When ignition switch is ON.	
			Signal (terminal)	Crash zone sensor (terminal 1 and 2)	
			Threshold	_	
			Diagnosis delay time	_	
	CRASH ZONE SEN- SOR [LOWER LIMIT ERR]	23	Diagnosis condition	When ignition switch is ON.	
			Signal (terminal)	Crash zone sensor (terminal 1 and 2)	
			Threshold	_	
			Diagnosis delay time	_	
	CRASH ZONE SENSOR [UPPER LIMIT ERR]	24	Diagnosis condition	When ignition switch is ON.	
			Signal (terminal)	Crash zone sensor (terminal 1 and 2)	
			Threshold	_	
			Diagnosis delay time	_	
	CRASH ZONE SEN- SOR [GND-SHORT]	11	Diagnosis condition	When ignition switch is ON.	
			Signal (terminal)	Crash zone sensor (terminal 1 and 2)	
			Threshold	-	
			Diagnosis delay time	_	

POSSIBLE CAUSE

[RESET], [COMM ERR]

Connection malfunction of harness or connector

B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS > · Internal malfunction of crash zone sensor · Internal malfunction of air bag diagnosis sensor unit Α [OPEN] · Connection malfunction or open circuit of harness or connector В · Internal malfunction of crash zone sensor Internal malfunction of air bag diagnosis sensor unit [UNMATCH] Air bag diagnosis sensor unit and crash zone sensor is different from the part specified D [OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR] Internal malfunction of crash zone sensor Internal malfunction of air bag diagnosis sensor unit Е [GND-SHORT] Connection malfunction or short circuit to ground of harness or connector Internal malfunction of crash zone sensor Internal malfunction of air bag diagnosis sensor unit FAIL-SAFE SRC DTC CONFIRMATION PROCEDURE (With CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. Check for DTC using CONSULT. Is the DTC detected? YES (Current DTC)>> Refer to SRC-69, "Diagnosis Procedure". YES (Past DTC)>> GO TO 2. >> Inspection End. 2.erase self diagnostic result K Erase the DTC using CONSULT. Can the DTC be erased? YES >> Inspection End. >> Refer to SRC-69, "Diagnosis Procedure". DTC CONFIRMATION PROCEDURE (Without CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. N Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check". SRS will not enter diagnosis mode if no malfunction is detected in user mode. Is the DTC detected? YES >> Refer to <u>SRC-69</u>, "<u>Diagnosis Procedure</u>". >> Inspection End. NO Diagnosis Procedure INFOID:0000000011219733 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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B0094 CRASH ZONE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

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:

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.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.

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

5. CRASH ZONE SENSOR

- Replace the crash zone sensor. Refer to <u>SR-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.

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

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-29, "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.

>> Inspection End.

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

Α **DTC** Description INFOID:0000000011219735

DTC DETECTION LOGIC

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B0091 FRONT SIDE AIR BAG SATELLITE SENSOR LH

< DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT name		DTC detecting condition		
			Diagnosis condition	When ignition switch is ON.	
	B-PILLAR SAT SEN LH	93	Signal (terminal)	Front side air bag satellite sensor LH (terminals 1 and 2)	
	[RESET]		Threshold	_	
			Diagnosis delay time	_	
			Diagnosis condition	When ignition switch is ON.	
	B-PILLAR SAT SEN LH	81	Signal (terminal)	Front side air bag satellite sensor LF (terminals 1 and 2)	
	[COMM ERR]		Threshold	_	
			Diagnosis delay time	_	
		88	Diagnosis condition	When ignition switch is ON.	
	B-PILLAR SAT SEN LH [OPEN]		Signal (terminal)	Front side air bag satellite sensor LF (terminals 1 and 2)	
	[OFEN]		Threshold	_	
			Diagnosis delay time	_	
		86	Diagnosis condition	When ignition switch is ON.	
	B-PILLAR SAT SEN LH [UNMATCH]		Signal (terminal)	Front side air bag satellite sensor Literminals 1 and 2)	
	[ONWATCH]		Threshold	_	
			Diagnosis delay time	_	
B0091		28	Diagnosis condition	When ignition switch is ON.	
	B-PILLAR SAT SEN LH		Signal (terminal)	Front side air bag satellite sensor Li (terminals 1 and 2)	
	[OFFSET ERR]		Threshold	_	
			Diagnosis delay time	_	
		25	Diagnosis condition	When ignition switch is ON.	
	B-PILLAR SAT SEN LH		Signal (terminal)	Front side air bag satellite sensor Literminals 1 and 2)	
	[SELF-DIAG ERR]		Threshold	_	
			Diagnosis delay time	_	
			Diagnosis condition	When ignition switch is ON.	
	B-PILLAR SAT SEN LH [LOWER LIMIT ERR]		Signal (terminal)	Front side air bag satellite sensor Li (terminals 1 and 2)	
	[LOWER ENVIR LIVI)		Threshold	_	
			Diagnosis delay time	_	
		24	Diagnosis condition	When ignition switch is ON.	
	B-PILLAR SAT SEN LH [UPPER LIMIT ERR]		Signal (terminal)	Front side air bag satellite sensor LI (terminals 1 and 2)	
	[OF LEX CHANGE LIXE]		Threshold		
			Diagnosis delay time		
			Diagnosis condition	When ignition switch is ON.	
	B-PILLAR SAT SEN LH [GND-SHORT]	11	Signal (terminal)	Front side air bag satellite sensor LI (terminals 1 and 2)	
	[GND-SHOKT]		Threshold	-	
			Diagnosis delay time	_	

< DTC/CIRCUIT DIAGNOSIS > POSSIBLE CAUSE [RESET], [COMM ERR] Α Connection malfunction of harness or connector · Internal malfunction of B-pillar satellite sensor LH Internal malfunction of air bag diagnosis sensor unit В [OPEN] Connection malfunction or open circuit of harness or connector Internal malfunction of B-pillar satellite sensor LH · Internal malfunction of air bag diagnosis sensor unit D [UNMATCH] · Air bag diagnosis sensor unit and B-pillar satellite sensor LH is different from part specified Е [OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR] Internal malfunction of B-pillar satellite sensor LH · Internal malfunction of air bag diagnosis sensor unit [GND-SHORT] · Connection malfunction or short circuit to ground of harness or connector Internal malfunction of B-pillar satellite sensor LH Internal malfunction of air bag diagnosis sensor unit FAIL-SAFE SRC DTC CONFIRMATION PROCEDURE (With CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. Check for DTC using CONSULT. Is the DTC detected? YES (Current DTC)>> Refer to SRC-73, "Diagnosis Procedure". YES (Past DTC)>> GO TO 2. >> Inspection End. NO 2.erase self diagnostic result Erase the DTC using CONSULT. Can the DTC be erased? YES >> Inspection End. >> Refer to SRC-73, "Diagnosis Procedure". DTC CONFIRMATION PROCEDURE (Without CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check". NOTE: SRS will not enter diagnosis mode if no malfunction is detected in user mode. Is the DTC detected? YES >> Refer to SRC-73, "Diagnosis Procedure". Р NO >> Inspection End. Diagnosis Procedure INFOID:0000000011219736 1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

Visible damage to connector or terminal

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< DTC/CIRCUIT DIAGNOSIS >

- 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

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

Is DTC still current?

YES >> GO TO 3.

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

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

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

5. FRONT SIDE AIR BAG SATELLITE SENSOR LH

- Replace the front side air bag satellite sensor LH. Refer to <u>SR-27, "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.

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

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-29</u>, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

< DTC/CIRCUIT DIAGNOSIS >

B0096 FRONT SIDE AIR BAG SATELLITE SENSOR RH

DTC Description

DTC DETECTION LOGIC

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< DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT name		DTC det	ecting condition
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN RH [RESET]	93	Signal (terminal)	Front side air bag satellite sensor LH (terminals 1 and 2)
			Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN LH	81	Signal (terminal)	Front side air bag satellite sensor LH (terminals 1 and 2)
	[COMM ERR]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN RH [OPEN]	88	Signal (terminal)	Front side air bag satellite sensor LH (terminals 1 and 2)
	[OF LIN]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN RH [UNMATCH]	86	Signal (terminal)	Front side air bag satellite sensor LH (terminals 1 and 2)
			Threshold	_
			Diagnosis delay time	_
	B-PILLAR SAT SEN RH [OFFSET ERR]		Diagnosis condition	When ignition switch is ON.
B0096		28	Signal (terminal)	Front side air bag satellite sensor LH (terminals 1 and 2)
			Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN RH [SELF-DIAG ERR]	25	Signal (terminal)	Front side air bag satellite sensor LH (terminals 1 and 2)
	[OLLI -DIAO LITT]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN RH [LOWER LIMIT ERR]	23	Signal (terminal)	Front side air bag satellite sensor LH (terminals 1 and 2)
	[LOWLIN LIVIT LIVIT]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN RH [UPPER LIMIT ERR]	24	Signal (terminal)	Front side air bag satellite sensor LH (terminals 1 and 2)
	[OF FERTINITIES AND		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	B-PILLAR SAT SEN RH	11	Signal (terminal)	Front side air bag satellite sensor LH (terminals 1 and 2)
	[GND-SHORT]		Threshold	_
			Diagnosis delay time	_

< DTC/CIRCUIT DIAGNOSIS > POSSIBLE CAUSE Α [RESET], [COMM ERR] Connection malfunction of harness or connector Internal malfunction of front side air bag satellite sensor RH Internal malfunction of air bag diagnosis sensor unit В [OPEN] Connection malfunction or open circuit of harness or connector Internal malfunction of front side air bag satellite sensor RH · Internal malfunction of air bag diagnosis sensor unit D [UNMATCH] · Air bag diagnosis sensor unit and front side air bag satellite sensor RH is different from the part specified Е [OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR] Internal malfunction of front side air bag satellite sensor RH Internal malfunction of air bag diagnosis sensor unit [OPEN] · Connection malfunction or short circuit to ground of harness or connector Internal malfunction of front side air bag satellite sensor RH Internal malfunction of air bag diagnosis sensor unit FAIL-SAFE SRC DTC CONFIRMATION PROCEDURE (With CONSULT) ${f 1}$.CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. 2. Check for DTC using CONSULT. Is the DTC detected? YES (Current DTC)>> Refer to SRC-77, "Diagnosis Procedure". YES (Past DTC)>> GO TO 2. NO >> Inspection End. 2.erase self diagnostic result Erase the DTC using CONSULT. Can the DTC be erased? YES >> Inspection End. >> Refer to SRC-77, "Diagnosis Procedure". DTC CONFIRMATION PROCEDURE (Without CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Ν Turn ignition switch ON. Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check". NOTE: SRS will not enter diagnosis mode if no malfunction is detected in user mode. Is the DTC detected? Р YES >> Refer to <u>SRC-77</u>, "Diagnosis Procedure". NO >> Inspection End. Diagnosis Procedure INFOID:0000000011219739

Visually inspect all applicable harness connectors for the following:

Visible damage to connector or terminal

1. HARNESS CONNECTOR

Revision: October 2014 SRC-77 2015 Murano

< DTC/CIRCUIT DIAGNOSIS >

- Loose terminal
- Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

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

5.FRONT SIDE AIR BAG SATELLITE SENSOR RH

- Replace the front side air bag satellite sensor RH. Refer to <u>SR-27, "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.

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

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-29</u>, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

< DTC/CIRCUIT DIAGNOSIS >

B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH

DTC Description

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition				
			Diagnosis condition	When ignition switch is ON.		
	C-PILLAR SAT SEN LH [RESET]	93	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 1 and 2)		
			Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	C-PILLAR SAT SEN LH	81	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 1 and 2)		
	[COMM ERR]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	C-PILLAR SAT SEN LH	88	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 1 and 2)		
	[DISCONNECT]		Threshold	_		
			Diagnosis delay time	_		
	C-PILLAR SAT SEN LH [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.		
			Signal (terminal)	Rear side air bag satellite sensor LH (terminal 1 and 2)		
			Threshold	_		
0000			Diagnosis delay time	_		
0092		28	Diagnosis condition	When ignition switch is ON.		
	C-PILLAR SAT SEN LH		Signal (terminal)	Rear side air bag satellite sensor LH (terminal 1 and 2)		
	[OFFSET ERR]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	C-PILLAR SAT SEN LH	25	Signal (terminal)	Rear side air bag satellite senso LH (terminal 1 and 2)		
	[SELF-DIAG ERR]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	C-PILLAR SAT SEN LH	23	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 1 and 2)		
	[LOWER LIMIT ERR]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	C-PILLAR SAT SEN LH [UPPER LIMIT ERR]	24	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 1 and 2)		
			Threshold	_		
			Diagnosis delay time	_		

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< DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT name	DTC detecting condition			
			Diagnosis condition	When ignition switch is ON.	
B0092	C-PILLAR SAT SEN LH	11	Signal (terminal)	Rear side air bag satellite sensor LH (terminal 1 and 2)	
	[GND-SHOKT]		Threshold	_	
			Diagnosis delay time	_	

POSSIBLE CAUSE

[RESET], [COMM ERR]

- Connection malfunction of harness or connector
- · Internal malfunction of C-pillar satellite sensor LH
- · Internal malfunction of air bag diagnosis sensor unit

[OPEN], [DISCONNECT]

- · Connection malfunction or open circuit of harness or connector
- Internal malfunction of C-pillar satellite sensor LH
- · Internal malfunction of air bag diagnosis sensor unit

[UNMATCH]

· Air bag diagnosis sensor unit and C-pillar satellite sensor LH is different from the part specified

[OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR]

- Internal malfunction of C-pillar satellite sensor LH
- · Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- Connection malfunction or short circuit to ground of harness or connector
- · Internal malfunction of C-pillar satellite sensor LH
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-81, "Diagnosis Procedure".

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

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

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-16, "SRS Operation Check"</u>.

NOTE:

< DTC/CIRCUIT DIAGNOSIS > SRS will not enter diagnosis mode if no malfunction is detected in user mode. Α Is the DTC detected? >> Refer to SRC-81, "Diagnosis Procedure". YES NO >> Inspection End. Diagnosis Procedure INFOID:0000000011219742 1. HARNESS CONNECTOR Visually inspect all applicable harness connectors for the following: Visible damage to connector or terminal D Loose terminal Poor connection NOTE: Е 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 **SRC** 1. Reconnect all harness connectors. Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current? YES >> GO TO 3. NO >> Refer to GI-42, "Intermittent Incident". 3. WIRING HARNESS Check the wiring harness for visible damage. NOTE: The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors). Is the inspection result normal? L YES >> GO TO 4. NO >> Replace the harness. 4.CONFIRM DTC M Reconnect all harness connectors. 2. Turn ignition switch ON. Check for DTC using CONSULT. N Is DTC still current? YES >> GO TO 5. NO >> Refer to GI-42, "Intermittent Incident". **5.**REAR SIDE AIR BAG SATELLITE SENSOR LH Replace the rear side air bag satellite sensor LH. Refer to SR-27, "Removal and Installation". Р Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current? YFS >> GO TO 6. NO >> Clear DTC. Inspection End. O.AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".
- 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.

< DTC/CIRCUIT DIAGNOSIS >

B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH

DTC Description

DTC DETECTION LOGIC

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< DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT name		DTC	C detecting condition
			Diagnosis condition	When ignition switch is ON.
	C-PILLAR SAT SEN RH [RESET]	93	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 1 and 2)
			Threshold	<u> </u>
			Diagnosis delay time	-
			Diagnosis condition	When ignition switch is ON.
	C-PILLAR SAT SEN RH	81	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 1 and 2)
	[COMM ERR]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	C-PILLAR SAT SEN RH	88	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 1 and 2)
	[OPEN]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	C-PILLAR SAT SEN RH	86	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 1 and 2)
	[UNMATCH]		Threshold	_
			Diagnosis delay time	_
	C-PILLAR SAT SEN RH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.
B0097			Signal (terminal)	Rear side air bag satellite sensor RH (terminal 1 and 2)
			Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	C-PILLAR SAT SEN RH	25	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 1 and 2)
	[SELF-DIAG ERR]	20	Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	C-PILLAR SAT SEN RH	23	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 1 and 2)
	[LOWER LIMIT ERR]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	C-PILLAR SAT SEN RH	24	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 1 and 2)
	[UPPER LIMIT ERR]		Threshold	_
			Diagnosis delay time	<u> </u>
			Diagnosis condition	When ignition switch is ON.
	C-PILLAR SAT SEN RH	11	Signal (terminal)	Rear side air bag satellite sensor RH (terminal 1 and 2)
	[GND-SHORT]		Threshold	_
			Diagnosis delay time	_

POSSIBLE CAUSE

< DTC/CIRCUIT DIAGNOSIS >

[RESET], [COMM ERR] Α · Connection malfunction of harness or connector Internal malfunction of rear side air bag satellite sensor RH Internal malfunction of air bag diagnosis sensor unit В [OPEN] Connection malfunction or open circuit of harness or connector Internal malfunction of rear side air bag satellite sensor RH · Internal malfunction of air bag diagnosis sensor unit [UNMATCH] D Air bag diagnosis sensor unit and rear side air bag satellite sensor RH is different from the part specified [OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR] Е · Internal malfunction of rear side air bag sensor RH · Internal malfunction of air bag diagnosis sensor unit [GND-SHORT] Connection malfunction or short circuit to ground of harness and connector · Internal malfunction of rear side air bag satellite sensor RH Internal malfunction of air bag diagnosis sensor unit FAIL-SAFE SRC DTC CONFIRMATION PROCEDURE (With CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. Check for DTC using CONSULT. Is the DTC detected? YES (Current DTC)>> Refer to SRC-85, "Diagnosis Procedure". YES (Past DTC)>> GO TO 2. >> Inspection End. 2.ERASE SELF DIAGNOSTIC RESULT Erase the DTC using CONSULT. Can the DTC be erased? YES >> Inspection End. NO >> Refer to SRC-85, "Diagnosis Procedure". DTC CONFIRMATION PROCEDURE (Without CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Ν Turn ignition switch ON. 2. Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check". SRS will not enter diagnosis mode if no malfunction is detected in user mode. Is the DTC detected? YES >> Refer to SRC-85, "Diagnosis Procedure". Р NO >> Inspection End. Diagnosis Procedure INFOID:0000000011219745 1. HARNESS CONNECTOR

Revision: October 2014 SRC-85 2015 Murano

Visually inspect all applicable harness connectors for the following:

Visible damage to connector or terminal

< DTC/CIRCUIT DIAGNOSIS >

- Loose terminal
- Poor connection

NOTE:

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

Is the inspection result normal?

YES >> GO TO 2.

NO

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

- 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.REAR SIDE AIR BAG SATELLITE SENSOR RH

- Replace the rear side air bag satellite sensor RH. Refer to <u>SR-27, "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.

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

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> **END**

< DTC/CIRCUIT DIAGNOSIS >

B0093 FRONT DOOR SATELLITE SENSOR LH

DTC Description

DTC DETECTION LOGIC

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< DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT name		DTC dete	DTC detecting condition		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH [RESET]	93	Signal (terminal)	Front door satellite sensor LH (terminal 1 and 2)		
	[RESET]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH [COMM ERR]	81	Signal (terminal)	Front door satellite sensor LH (terminal 1 and 2)		
	[COMMITERITY]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH [OPEN]	88	Signal (terminal)	Front door satellite sensor LH (terminal 1 and 2)		
	[OPEN]		Threshold	_		
			Diagnosis delay time	_		
		86	Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH		Signal (terminal)	Front door satellite sensor LH (terminal 1 and 2)		
	[UNMATCH]		Threshold	_		
			Diagnosis delay time	_		
	DOOR SATEL SENS LH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.		
B0093			Signal (terminal)	Front door satellite sensor LH (terminal 1 and 2)		
			Threshold	_		
			Diagnosis delay time	_		
		25	Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH [SELF-DIAG ERR]		Signal (terminal)	Front door satellite sensor LH (terminal 1 and 2)		
	[SELI -DIAG LIVI)		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH [LOWER LIMIT ERR]	23	Signal (terminal)	Front door satellite sensor LH (terminal 1 and 2)		
	[LOWER LIVIT LIXIS]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH	24	Signal (terminal)	Front door satellite sensor LH (terminal 1 and 2)		
	[UPPER LIMIT ERR]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS LH	11	Signal (terminal)	Front door satellite sensor LH (terminal 1 and 2)		
	[GND-SHORT]		Threshold	-		
			Diagnosis delay time	_		

< DTC/CIRCUIT DIAGNOSIS > [RESET], [COMM ERR] · Connection malfunction of harness or connector Α · Internal malfunction of front door satellite sensor LH Internal malfunction of air bag diagnosis sensor unit В [OPEN] Connection malfunction or open circuit of harness or connector Internal malfunction of front door satellite sensor LH Internal malfunction of air bag diagnosis sensor unit [UNMATCH] D Air bag diagnosis sensor unit and front door satellite sensor LH is different from the part specified [OFFSET ERR], [SELF-DIAG ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR] Е Internal malfunction of front door satellite sensor LH · Internal malfunction of air bag diagnosis sensor unit FAIL-SAFE DTC CONFIRMATION PROCEDURE (With CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. Check for DTC using CONSULT. SRC Is the DTC detected? YES (Current DTC)>> Refer to <u>SRC-89</u>, "Diagnosis Procedure". YES (Past DTC)>> GO TO 2. >> Inspection End. 2.ERASE SELF DIAGNOSTIC RESULT Erase the DTC using CONSULT. Can the DTC be erased? YES >> Inspection End. >> Refer to SRC-89, "Diagnosis Procedure". NO DTC CONFIRMATION PROCEDURE (Without CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check". 2. SRS will not enter diagnosis mode if no malfunction is detected in user mode. Is the DTC detected? YES >> Refer to SRC-89, "Diagnosis Procedure". N NO >> Inspection End. Diagnosis Procedure INFOID:0000000011219748 1. HARNESS CONNECTOR Visually inspect all applicable harness connectors for the following: Р Visible damage to connector or terminal Loose terminal Poor connection

SRC-89 Revision: October 2014 2015 Murano

All harness connectors should be inspected from the air bag diagnosis sensor unit to the end component

NOTE:

YES

(including any in-line connectors). Is the inspection result normal?

>> GO TO 2.

< DTC/CIRCUIT DIAGNOSIS >

NO

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

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

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

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

5.FRONT DOOR SATELLITE SENSOR LH

- 1. Replace the front door satellite sensor LH. Refer to SR-27, "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.

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

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-29</u>, "Removal and Installation".
- 2. Turn ignition switch ON.
- 3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

/.RELATED HARNESS

Replace the related harness.

< DTC/CIRCUIT DIAGNOSIS >

B0098 FRONT DOOR SATELLITE SENSOR RH

DTC Description

DTC DETECTION LOGIC

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< DTC/CIRCUIT DIAGNOSIS >

DTC	CONSULT name	DTC detecting condition				
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS RH [RESET]	93	Signal (terminal)	Front door satellite sensor RH (Terminal 1 and 2)		
			Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS RH [COMM ERR]	81	Signal (terminal)	Front door satellite sensor RH (Terminal 1 and 2)		
	[COIVIIVI ERK]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS RH [OPEN]	88	Signal (terminal)	Front door satellite sensor RH (Terminal 1 and 2)		
	[OFEN]		Threshold	_		
			Diagnosis delay time	_		
	DOOR SATEL SENS RH [UNMATCH]	86	Diagnosis condition	When ignition switch is ON.		
			Signal (terminal)	Front door satellite sensor RH (Termina 1 and 2)		
			Threshold	_		
			Diagnosis delay time	_		
	DOOR SATEL SENS RH [OFFSET ERR]	28	Diagnosis condition	When ignition switch is ON.		
B0098			Signal (terminal)	Front door satellite sensor RH (Termina 1 and 2)		
	[OIT OLT LIKK]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS RH [SELF-DIAG ERR]	25	Signal (terminal)	Front door satellite sensor RH (Termina 1 and 2)		
	[OLLI -DIAO LITT]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS RH [LOWER LIMIT ERR]	23	Signal (terminal)	Front door satellite sensor RH (Termina 1 and 2)		
	[LOWER LIMIT LIKK]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS RH [UPPER LIMIT ERR]	24	Signal (terminal)	Front door satellite sensor RH (Termina 1 and 2)		
	[OFF EIVENWITERIN]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	DOOR SATEL SENS RH	11	Signal (terminal)	Front door satellite sensor RH (Termina 1 and 2)		
	[GND-SHORT]		Threshold	_		
			Diagnosis delay time	_		

POSSIBLE CAUSE

< DTC/CIRCUIT DIAGNOSIS > [RESET], [COMM ERR] · Connection malfunction of harness or connector Α · Internal malfunction of front door satellite sensor RH Internal malfunction of air bag diagnosis sensor unit В [OPEN] Connection malfunction or open circuit of harness or connector Internal malfunction of front door satellite sensor RH Internal malfunction of air bag diagnosis sensor unit [UNMATCH] D · Air bag diagnosis sensor unit and front door satellite sensor RH is different from the part specified [OFFSET ERR], [SELF-DIAD ERR], [LOWER LIMIT ERR], [UPPER LIMIT ERR] Е Internal malfunction of front door satellite sensor RH · Internal malfunction of air bag diagnosis sensor unit [GND-SHORT] Connection malfunction or short circuit to ground of harness and connector · Internal malfunction of front door satellite sensor RH Internal malfunction of air bag diagnosis sensor unit FAIL-SAFE SRC DTC CONFIRMATION PROCEDURE (With CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. Check for DTC using CONSULT. Is the DTC detected? YES (Current DTC)>> Refer to SRC-93, "Diagnosis Procedure". YES (Past DTC)>> GO TO 2. NO >> Inspection End. 2.erase self diagnostic result Erase the DTC using CONSULT. Can the DTC be erased? YES >> Inspection End. >> Refer to SRC-93, "Diagnosis Procedure". DTC CONFIRMATION PROCEDURE (Without CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check". NOTE: SRS will not enter diagnosis mode if no malfunction is detected in user mode. Is the DTC detected? YES >> Refer to SRC-93, "Diagnosis Procedure". Р NO >> Inspection End. Diagnosis Procedure INFOID:0000000011219751 1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

- Visible damage to connector or terminal
- Loose terminal

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< DTC/CIRCUIT DIAGNOSIS >

Poor connection

NOTE:

NO

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.

>> Perform one of the following repairs:

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

2.confirm ${ t DTC}$

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

Is DTC still current?

YES >> GO TO 3.

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

- Reconnect all harness connectors.
- 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.FRONT DOOR SATELLITE SENSOR RH

- Replace the front door satellite sensor RH. Refer to <u>SR-27, "Removal and Installation"</u>.
- Turn ignition switch ON.
- 3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.air bag diagnosis sensor unit

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

< DTC/CIRCUIT DIAGNOSIS >

B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

Description INFOID:000000011734952

DTC B00A0 OCCUPANT CLASSIFICATION SYSTEM (OCS)

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

PART LOCATION

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

DTC Description

DTC DETECTION LOGIC

DTC		screen items gnosis content)	DTC detecting condition
B00A0-00	OCCUPANT SENS	[ABNORMAL VOLTAGE]	Power supply malfunction of occupant detection sensor
B00A0-02	[Occupant Classification	[UNIT MALFUNC]	Malfunction of occupant detection sensor
B00A0-09	System (Subfault)]	[UNIT MALFUNC]	Malfunction of occupant detection sensor
B00A0-04		[UNIT MALFUNC]	Malfunction of occupant detection sensor control unit
B00A0-83		[COMM ERR]	Communication malfunction of occupant detection sensor control unit Communication blank of occupant detection sensor control unit
B00A0-86	OCCUPANT SENS C/U	[COMM ERR]	Communication malfunction of occupant detection sensor control unit Communication blank of occupant detection sensor control unit
B00A0-87	[Occupant Classification System (Subfault)]	[COMM ERR]	Communication malfunction of occupant detection sensor control unit Communication blank of occupant detection sensor control unit
B00A0-88		[COMM ERR]	Communication malfunction of occupant detection sensor control unit Communication blank of occupant detection sensor control unit
B00A0-8F		[UNDEFINED]	Undefined status of occupant detection sensor control unit
B00A0-93		[RESET]	Reset malfunction of occupant detection sensor control unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF-DIAG RESULT

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

Is the DTC detected?

YES (Current DTC)>>Refer to:

- B00A0-00, -02 or -09: <u>SRC-96, "Diagnosis Procedure (B00A0-00, -02 or -09)"</u>
- B00A0-04: SRC-97, "Diagnosis Procedure (B00A0-04)"
- B00A0-83, -86, -87, -88 or -8F: <u>SRC-98, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"</u>
- B00A0-93: <u>SRC-99</u>, "<u>Diagnosis Procedure (B00A0-93)</u>"

YES (Past DTC)>>GO TO 2.

NO >> Inspection End.

2. ERASE SELF-DIAG RESULT

Erase the DTC using CONSULT.

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< DTC/CIRCUIT DIAGNOSIS >

Can the DTC be erased?

YES >> Inspection End.

NO

- >> Refer to:
 - B00A0-00, -02 or -09: SRC-96, "Diagnosis Procedure (B00A0-00, -02 or -09)"
 - B00A0-04: <u>SRC-97</u>, "<u>Diagnosis Procedure</u> (<u>B00A0-04</u>)"
 - B00A0-83, -86, -87, -88 or -8F: <u>SRC-98, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"</u>
 - B00A0-93: SRC-99, "Diagnosis Procedure (B00A0-93)"

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-16, "SRS Operation Check"</u>.

NOTE:

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

Is the DTC detected?

YES

- >> Refer to:
 - B00A0-00, -02 or -09: SRC-96, "Diagnosis Procedure (B00A0-00, -02 or -09)"
 - B00A0-04: SRC-97, "Diagnosis Procedure (B00A0-04)"
 - B00A0-83, -86, -87, -88 or -8F: <u>SRC-98, "Diagnosis Procedure (B00A0-83, -86, -87, -88 or -8F)"</u>
 - B00A0-93: SRC-99, "Diagnosis Procedure (B00A0-93)"

NO >> Inspection End.

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

INFOID:0000000011734954

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 3.

NO

- >> Perform the following repairs. Then, GO TO 2.
 - · Visible damage: Replace the harness.
 - · Loose terminal: Secure the terminal.
 - · Poor connection: Secure the connection.

2.confirm ${ t DTC}$

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

Is DTC still current?

YES >> GO TO 3.

NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

3.REPLACE OCS CONTROL UNIT AND SENSORS

- Replace the OCS control unit and sensors. Refer to <u>SR-33</u>, "Removal and Installation".
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 4.

NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

4.AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".
- 2. Turn ignition switch ON.

< DTC/CIRCUIT DIAGNOSIS > Check for DTC using CONSULT. Α Is DTC still current? YES >> GO TO 5. NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description". В RELATED HARNESS Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit). Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current? D YES >> GO TO 6. NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description". 6.REPLACE PASSENGER SEAT CUSHION FRAME Е Replace the passenger seat cushion frame. Refer to SE-164, "Seat Cushion". Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description". >> Inspection End. Diagnosis Procedure (B00A0-04) INFOID:0000000011734955 1. HARNESS CONNECTOR Visually inspect all applicable harness connectors for the following: SRC · 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 3. >> Perform the following repairs. Then, GO TO 2. NO · Visible damage: Replace the harness. K · Loose terminal: Secure the terminal. Poor connection: Secure the connection. 2.confirm ${ t DTC}$ Reconnect all harness connectors. Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current? YES >> GO TO 3. NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description". 3.REPLACE OCS CONTROL UNIT Replace the OCS control unit. Refer to SR-33, "Removal and Installation". 2. Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current?

YES >> GO TO 4.

NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

4. AIR BAG DIAGNOSIS SENSOR UNIT

- Replace the air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

SRC-97 Revision: October 2014 2015 Murano

< DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 5.

NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

5. RELATED HARNESS

- 1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit)
- 2. Turn ignition switch ON.
- 3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

REPLACE OCS SENSORS

- 1. Replace the OCS sensors. Refer to SR-33, "Removal and Installation".
- 2. Turn ignition switch ON.
- 3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

/ .REPLACE PASSENGER SEAT CUSHION FRAME

- 1. Replace the passenger seat cushion frame. Refer to <u>SE-164, "Seat Cushion"</u>.
- Clear DTC and perform zero point reset. Refer to <u>SRC-44, "ZERO POINT RESET: Description"</u>.

>> Inspection End.

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

INFOID:0000000011734956

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 3.

NO >> Perform the following repairs. Then, GO TO 2.

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

2.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 3.

NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

3.replace ocs control unit and sensors

- 1. Replace the OCS control unit and sensors. Refer to SR-33, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 4.

NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-44, "ZERO POINT RESET: Description".</u>

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< DTC/CIRCUIT DIAGNOSIS >

4. AIR BAG DIAGNOSIS SENSOR UNIT 1. Replace the air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation". Turn ignition switch ON. Check for DTC using CONSULT. В Is DTC still current? YES >> GO TO 5. NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description". RELATED HARNESS Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit). D Turn ignition switch ON. 3. Check for DTC using CONSULT. Is DTC still current? Е YES >> GO TO 6. NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description". O.REPLACE PASSENGER SEAT CUSHION FRAME Replace the passenger seat cushion frame. Refer to SE-164, "Seat Cushion" Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description". >> Inspection End. Diagnosis Procedure (B00A0-93) **SRC** INFOID:0000000011734957 1. PERFORM ZERO POINT RESET Perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description". Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current? >> GO TO 2. YES NO >> Clear DTC. Inspection End. 2.HARNESS CONNECTOR K 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 4. Ν NO >> Perform the following repairs. Then, GO TO 3. · Visible damage: Replace the harness. · Loose terminal: Secure the terminal. Poor connection: Secure the connection. 3.CONFIRM DTC Reconnect all harness connectors. Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current?

4.REPLACE OCS CONTROL UNIT

YES

NO

>> GO TO 4.

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>> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

< DTC/CIRCUIT DIAGNOSIS >

- Replace the OCS control unit. Refer to <u>SR-33</u>, "Removal and Installation".
- Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.

NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

5. AIR BAG DIAGNOSIS SENSOR UNIT

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".
- 2. Turn ignition switch ON.
- 3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC and perform zero point reset. Refer to <u>SRC-44, "ZERO POINT RESET : Description"</u>.

6. RELATED HARNESS

- 1. Replace the related harnesses (OCS sensors to OCS control unit, OCS control unit to seat, seat to main harness, main harness to air bag diagnosis sensor unit)
- 2. Turn ignition switch ON.
- 3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

7. REPLACE OCS SENSORS

- Replace the OCS sensors. Refer to <u>SR-33, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- 3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 8.

NO >> Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

8.REPLACE PASSENGER SEAT CUSHION FRAME

- Replace the passenger seat cushion frame. Refer to <u>SE-164, "Seat Cushion"</u>.
- 2. Clear DTC and perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

B00D5 PASSENGER AIR BAG OFF INDICATOR

DTC Description INFOID:0000000011219756

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting	condition
			Diagnosis condition	When ignition is ON.
	PASS A/B INDCTR CKT	04	Signal (terminal)	Front passenger air bag OFF indicator is malfunctioning.
	[UNIT MALFUNC]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition is ON.
	PASS A/B INDCTR CKT [PWR-SHORT/OPEN]	15	Signal (terminal)	Front passenger air bag OFF indicator is malfunctioning.
	[PWR-SHORT/OPEN]		Threshold	_
			Diagnosis delay time	_
	PASS A/B INDCTR CKT [OPEN]	13	Diagnosis condition	When ignition is ON.
B00D5			Signal (terminal)	Front passenger air bag OFF indicator is malfunctioning.
			Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition is ON.
	PASS A/B INDCTR CKT	12	Signal (terminal)	Front passenger air bag OFF indicator is malfunctioning.
	[VB-SHORT]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition is ON.
	PASS A/B INDCTR CKT [GND-SHORT]	11	Signal (terminal)	Front passenger air bag OFF indicator is malfunctioning.
			Threshold	_
			Diagnosis delay time	_

POSSIBLE CAUSE

[UNIT MALFUNC]

- Internal malfunction of front passenger air bag OFF indicator
- Internal malfunction of air bag diagnosis sensor unit

[PWE-SHORT/OPEN]

- Connection malfunction or short circuit to power supply of harness and connector
- · Connection malfunction or open circuit of harness and connector
- · Internal malfunction of front passenger air bag OFF indicator
- · Internal malfunction of air bag diagnosis sensor unit

[OPEN]

- Connection malfunction or open circuit of harness and connector
- · Internal malfunction of front passenger air bag OFF indicator
- · Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]

Connection malfunction or short circuit to power supply of harness and connector

SRC-101 Revision: October 2014 2015 Murano

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B00D5 PASSENGER AIR BAG OFF INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

- Internal malfunction of front passenger air bag OFF indicator
- · Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- · Connection malfunction or short circuit to ground of harness and connector
- · Internal malfunction of front passenger air bag OFF indicator
- · Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-102, "Diagnosis Procedure".

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2. ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-102</u>, "<u>Diagnosis Procedure</u>".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-16, "SRS Operation Check"</u>.

NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-102, "Diagnosis Procedure".

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011219757

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

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

Is DTC still current?

YES >> GO TO 3.

B00D5 PASSENGER AIR BAG OFF INDICATOR	
<pre>CDTC/CIRCUIT DIAGNOSIS ></pre>	
NO >> Refer to GI-42, "Intermittent Incident".	
3. WIRING HARNESS	
Check the wiring harness for visible damage. NOTE:	
The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end compor (including any in-line connectors).	nent
s 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.	
s DTC still current?	
YES >> GO TO 5. NO >> Refer to GI-42, "Intermittent Incident".	
D.PASSENGER AIR BAG OFF INDICATOR	
Replace the passenger air bag off indicator.	
2. Turn ignition switch ON.	
3. Check for DTC using CONSULT.	
s DTC still current? YES >> GO TO 6.	
NO >> Clear DTC. Inspection End.	
3.AIR BAG DIAGNOSIS SENSOR UNIT	
1. Replace the air bag diagnosis sensor unit. Refer to <u>SR-29</u> , "Removal and Installation".	
2. Turn ignition switch ON.	
3. Check for DTC using CONSULT. s DTC still current?	
YES >> GO TO 7.	
NO >> Clear DTC. Inspection End.	
7.RELATED HARNESS	
Replace the related harness.	
>> Inspection End.	

B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS >

B1428 SEAT BELT BUCKLE SWITCH LH

DTC Description

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detect	ing condition
		13	Diagnosis condition	When ignition switch is ON.
	BUCKLE SW LH		Signal (terminal)	Seat belt buckle switch LH circuit is open. (terminal 3 and 4).
	[OPEN]		Threshold	_
			Diagnosis delay time	_
		12	Diagnosis condition	When ignition switch is ON.
	BUCKLE SW LH [VB-SHORT]		Signal (terminal)	Seat belt buckle switch LH circuit is shorted to power. (terminal 3 and 4).
			Threshold	_
B1428			Diagnosis delay time	_
	BUCKLE SW LH	11	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Seat belt buckle switch LH circuit is shorted to ground (terminal 3 and 4).
	[GND-SHORT]		Threshold	_
			Diagnosis delay time	_
		00	Diagnosis condition	When ignition switch is ON.
	BUCKLE SW LH [UNDEFINED]		Signal (terminal)	Seat belt buckle switch (terminal 3 and 4).
			Threshold	_
			Diagnosis delay time	_

POSSIBLE CAUSE

[OPEN]

- Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt buckle switch LH

[VB-SHORT]

- · Connection malfunction or short circuit to power supply of harness and connector
- · Internal malfunction of seat belt buckle switch LH
- · Internal malfunction of diagnosis sensor unit

[GND-SHORT]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt buckle switch LH
- · Internal malfunction of diagnosis sensor unit

[UNDEFINED]

- Connection malfunction or open circuit of harness and connector
- · Internal malfunction of seat belt buckle switch LH
- · Internal malfunction of diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS > Turn ignition switch ON. Check for DTC using CONSULT. Α Is the DTC detected? YES (Current DTC)>> Refer to SRC-105, "Diagnosis Procedure". YES (Past DTC)>> GO TO 2. В >> Inspection End. 2.erase self diagnostic result Erase the DTC using CONSULT. Can the DTC be erased? YES >> Inspection End. D NO >> Refer to SRC-105, "Diagnosis Procedure". DTC CONFIRMATION PROCEDURE (Without CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Е Turn ignition switch ON. 2. Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check". NOTE: SRS will not enter diagnosis mode if no malfunction is detected in user mode. Is the DTC detected? YES >> Refer to <u>SRC-105</u>, "Diagnosis Procedure". NO >> Inspection End. Diagnosis Procedure INFOID:0000000011219760 **SRC** 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). K Is the inspection result normal? YES >> GO TO 2. >> Perform one of the following repairs: NO Visible damage: Replace the harness. · Loose terminal: Secure the terminal. Poor connection: Secure the connection. 2.CONFIRM DTC M Reconnect all harness connectors. Turn ignition switch ON. N 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. Р 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.

B1428 SEAT BELT BUCKLE SWITCH LH

< DTC/CIRCUIT DIAGNOSIS >

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.seat belt buckle switch LH

- 1. Replace the seat belt buckle switch LH. Refer to SR-32, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.AIR BAG DIAGNOSIS SENSOR UNIT

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-29, "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.

B1429 SEAT BELT BUCKLE SWITCH RH

< DTC/CIRCUIT DIAGNOSIS >

B1429 SEAT BELT BUCKLE SWITCH RH

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DTC DETECTION LOGIC

DTC Description

DTC	CONSULT name		DTC detecting	condition
			Diagnosis condition	When ignition switch is ON.
B1429	BUCKLE SW RH	13	Signal (terminal)	Seat belt buckle switch RH circuit is open. (terminal 3 and 4)
	[OPEN]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
B1429	BUCKLE SW RH	12	Signal (terminal)	Seat belt buckle switch RH circuit is open. (terminal 3 and 4)
	[VB-SHORT]		Threshold	_
			Diagnosis delay time	_
		11	Diagnosis condition	When ignition switch is ON.
B1429	BUCKLE SW RH		Signal (terminal)	Seat belt buckle switch RH circuit is open. (terminal 3 and 4)
	[GND-SHORT]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
B1429	BUCKLE SW RH	00	Signal (terminal)	Seat belt buckle switch RH circuit is open. (terminal 3 and 4)
	[UNDEFINED]		Threshold	_
			Diagnosis delay time	_

POSSIBLE CAUSE

[OPEN]

- Connection malfunction or open circuit of harness and connector
- · Internal malfunction of seat belt buckle switch RH

[VB-SHORT]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of seat belt buckle switch RH
- · Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- Connection malfunction or short circuit to ground of harness and connector
- · Internal malfunction of seat belt buckle switch RH
- · Internal malfunction of air bag diagnosis sensor unit

[UNDEFINED]

- · Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt buckle switch RH
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

Revision: October 2014 SRC-107 2015 Murano

B1429 SEAT BELT BUCKLE SWITCH RH

< DTC/CIRCUIT DIAGNOSIS >

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-108, "Diagnosis Procedure".

YES (Past DTC)>> GO TO 2.

>> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to SRC-108, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check".

NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-108</u>, "<u>Diagnosis Procedure</u>".

>> Inspection End. NO

Diagnosis Procedure

INFOID:0000000011219763

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

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

Is DTC still current?

YES >> GO TO 3.

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

3.WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

B1429 SEAT BELT BUCKLE SWITCH RH	
< DTC/CIRCUIT DIAGNOSIS >	
NO >> Replace the harness.	
4.CONFIRM DTC	Α
 Reconnect all harness connectors. Turn ignition switch ON. Check for DTC using CONSULT. 	В
Is DTC still current?	
YES >> GO TO 5. NO >> Refer to GI-42, "Intermittent Incident".	С
5.SEAT BELT BUCKLE SWITCH RH	
 Replace the seat belt buckle switch RH. Refer to <u>SR-32, "Removal and Installation"</u>. Turn ignition switch ON. Check for DTC using CONSULT. 	D
Is DTC still current?	Е
YES >> GO TO 6.	
NO >> Clear DTC. Inspection End. 6.AIR BAG DIAGNOSIS SENSOR UNIT	F
Replace the air bag diagnosis sensor unit. Refer to <u>SR-29</u> , "Removal and Installation".	_ '
 Replace the all bag diagnosis sensor unit. Refer to <u>SR-29</u>, <u>Removal and Installation</u>. Turn ignition switch ON. Check for DTC using CONSULT. Is DTC still current? 	G
YES >> GO TO 7.	
NO >> Clear DTC. Inspection End.	SRC
7.RELATED HARNESS	_
Replace the related harness.	-
>> Inspection End.	
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B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

B1430 SEAT BELT PRE-TENSIONER

DTC Description

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition			
		13	Diagnosis condition	When ignition switch is ON.	
	FRONT PRE-TEN LH CIRCUIT		Signal (terminal)	LH seat belt pre-tensioner circuit is open (shoulder belt) (terminal 1 and 2).	
	[OPEN]		Threshold	_	
			Diagnosis delay time	_	
			Diagnosis condition	When ignition switch is ON.	
	FRONT PRE-TEN LH CIRCUIT [VB-SHORT]	12	Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to a power supply circuit (shoulder belt) (terminal 1 and 2).	
			Threshold	_	
B1430			Diagnosis delay time	_	
D 1430		11	Diagnosis condition	When ignition switch is ON.	
	FRONT PRE-TEN LH CIRCUIT [GND-SHORT]		Signal (terminal)	LH seat belt pre-tensioner circuit is shorted to ground (shoulder belt) (shoulder belt) (terminal 1 and 2).	
			Threshold	_	
			Diagnosis delay time	_	
			Diagnosis condition	When ignition switch is ON.	
	FRONT PRE-TEN LH CIRCUIT [SHORT]	09	Signal (terminal)	LH seat belt pre-tensioner circuits are shorted to each other (shoulder belt) (terminal 1 and 2).	
			Threshold	_	
			Diagnosis delay time	_	

POSSIBLE CAUSE

[OPEN]

- · Connection malfunction or open circuit of harness and connector
- · Internal malfunction of seat belt pre-tensioner LH
- · Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]

- Connection malfunction or short circuit to power supply of harness and connector
- · Internal malfunction of seat belt pre-tensioner LH
- · Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- · Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- · Internal malfunction of air bag diagnosis sensor unit

[SHORT]

- · Connection malfunction or short circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner LH
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS > DTC CONFIRMATION PROCEDURE (With CONSULT) Α 1. CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. Check for DTC using CONSULT. В Is the DTC detected? YES (Current DTC)>> Refer to SRC-111, "Diagnosis Procedure". YES (Past DTC)>> GO TO 2. >> Inspection End. 2.erase self diagnostic result D Erase the DTC using CONSULT. Can the DTC be erased? YES >> Inspection End. Е NO >> Refer to <u>SRC-111</u>, "<u>Diagnosis Procedure</u>". DTC CONFIRMATION PROCEDURE (Without CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check". 2. SRS will not enter diagnosis mode if no malfunction is detected in user mode. Is the DTC detected? SRC YES >> Refer to <u>SRC-111</u>, "<u>Diagnosis Procedure</u>". NO >> Inspection End. Diagnosis Procedure INFOID:0000000011219766 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? >> 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 N 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". Р 3. WIRING HARNESS Check the wiring harness for visible damage.

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?

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B1430 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

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-29, "Removal and Installation"</u>.
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.SEAT BELT PRE-TENSIONER LH

- Replace the seat belt pre-tensioner LH. Refer to <u>SR-31, "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.

>> Inspection End.

B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

B1431 SEAT BELT PRE-TENSIONER

DTC Description INFOID:0000000011219768

DTC DETECTION LOGIC

DTC	CONSULT name		DTC de	etecting condition
		13	Diagnosis condition	When ignition switch is ON.
	FRONT PRE-TEN RH		Signal (terminal)	RH seat belt pre-tensioner circuit is open (shoulder belt) (terminal 1 and 2).
	[OFEN]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
	FRONT PRE-TEN RH [VB-SHORT]	12	Signal (terminal)	RH seat belt pre-tensioner circuit is shorted to a power supply circuit (shoulder belt) (terminal 1 and 2).
			Threshold	_
			Diagnosis delay time	_
B1431		11	Diagnosis condition	When ignition switch is ON.
	FRONT PRE-TEN RH [GND-SHORT]		Signal (terminal)	RH seat belt pre-tensioner circuit is shorted to ground (shoulder belt) (terminal 1 and 2).
			Threshold	_
			Diagnosis delay time	_
		09	Diagnosis condition	When ignition switch is ON.
	FRONT PRE-TEN RH		Signal (terminal)	RH seat belt pre-tensioner circuits are shorted to each other (shoulder belt) (terminal 1 and 2).
			Threshold	_
			Diagnosis delay time	_

POSSIBLE CAUSE

[OPEN]

- · Connection malfunction or open circuit of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- · Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]

- Connection malfunction or short circuit to power supply of harness and connector
- · Internal malfunction of seat belt pre-tensioner RH
- · Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- · Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of seat belt pre-tensioner RH
- · Internal malfunction of air bag diagnosis sensor unit

[SHORT]

- Connection malfunction or short circuit of harness and connector
- · Internal malfunction of seat belt pre-tensioner RH
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

SRC-113 Revision: October 2014 2015 Murano

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B1431 SEAT BELT PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-114, "Diagnosis Procedure".

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-114, "Diagnosis Procedure"</u>.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-16</u>, "SRS Operation Check".

NOTE:

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

Is the DTC detected?

YES >> Refer to SRC-114, "Diagnosis Procedure".

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011219769

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 ${ t DTC}$

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

Is DTC still current?

YES >> GO TO 3.

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

3.wiring harness

Check the wiring harness for visible damage.

NOTE

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

B1431 SEAT BELT PRE-TENSIONER	
< DTC/CIRCUIT DIAGNOSIS >	
Is the inspection result normal? YES >> GO TO 4.	А
NO >> Replace the harness.	
4.CONFIRM DTC	В
 Reconnect all harness connectors. Turn ignition switch ON. Check for DTC using CONSULT. 	
Is DTC still current?	С
YES >> GO TO 5. NO >> Refer to GI-42, "Intermittent Incident".	
5. AIR BAG DIAGNOSIS SENSOR UNIT	D
 Replace the air bag diagnosis sensor unit. Refer to <u>SR-29</u>, "<u>Removal and Installation</u>". Turn ignition switch ON. 	E
Check for DTC using CONSULT. <u>Is DTC still current?</u>	
YES >> GO TO 6.	F
NO >> Clear DTC. Inspection End.	
6.SEAT BELT PRE-TENSIONER RH	G
 Replace the seat belt pre-tensioner RH. Refer to <u>SR-31, "Removal and Installation"</u>. Turn ignition switch ON. 	
3. Check for DTC using CONSULT.	SRO
<u>Is DTC still current?</u> YES >> GO TO 7.	OI (
NO >> Clear DTC. Inspection End.	
/.RELATED HARNESS	
Replace the related harness.	
>> Inspection End.	J
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B1433 LAP PRE-TENSIONER

DTC Description

INFOID:0000000011219772

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition				
	PRE-TEN FRONT RH 2		Diagnosis condition	When ignition switch is ON.		
		13	Signal (terminal)	Lap pre-tensioner RH circuit is open.		
	[OPEN]	13	Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
	PRE-TEN FRONT RH 2 [VB-SHORT]	12	Signal (terminal)	Lap pre-tensioner RH circuit is shorted to power supply circuit.		
	[vb-snort]		Threshold	_		
			Diagnosis delay time	_		
B1433		11	Diagnosis condition	When ignition switch is ON.		
	PRE-TEN FRONT RH 2 [GND-SHORT]		Signal (terminal)	Lap pre-tensioner RH circuit is shorted to ground.		
			Threshold	_		
			Diagnosis delay time	_		
		1A	Diagnosis condition	When ignition switch is ON.		
	PRE-TEN FRONT RH 2		Signal (terminal)	Lap pre-tensioner RH circuits are shorted to each other.		
	[SHORT]		Threshold	_		
			Diagnosis delay time	_		

POSSIBLE CAUSE

[OPEN]

- · Connection malfunction or open circuit of harness and connector
- · Internal malfunction of lap belt pre-tensioner RH
- Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of lap belt pre-tensioner RH
- · Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- · Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of lap belt pre-tensioner RH
- · Internal malfunction of air bag diagnosis sensor unit

[SHORT]

- · Connection malfunction or short circuit of harness and connector
- · Internal malfunction of lap belt pre-tensioner RH
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE (With CONSULT)

B1433 LAP PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

1. CHECK SELF DIAGNOSTIC RESULT Turn ignition switch ON. Check for DTC using CONSULT. Is the DTC detected? В YES (Current DTC)>> Refer to SRC-117, "Diagnosis Procedure". YES (Past DTC)>> GO TO 2. >> Inspection End. 2.erase self diagnostic result Erase the DTC using CONSULT. D Can the DTC be erased? YES >> Inspection End. NO >> Refer to SRC-117, "Diagnosis Procedure". Е DTC CONFIRMATION PROCEDURE (Without CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT 1. Turn ignition switch ON. Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check". NOTE: SRS will not enter diagnosis mode if no malfunction is detected in user mode. Is the DTC detected? YES >> Refer to <u>SRC-117</u>, "<u>Diagnosis Procedure</u>". >> Inspection End. NO SRC Diagnosis Procedure INFOID:0000000011219773 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. L 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 N 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 Р Check the wiring harness for visible damage. NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

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B1433 LAP PRE-TENSIONER

< DTC/CIRCUIT DIAGNOSIS >

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

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

5. AIR BAG DIAGNOSIS SENSOR UNIT

- Replace the air bag diagnosis sensor unit. Refer to <u>SR-29, "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.LAP PRE-TENSIONER RH

- 1. Replace the lap pre-tensioner RH. Refer to SR-31, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 7.

NO >> Clear DTC. Inspection End.

7. RELATED HARNESS

Replace the related harness.

>> Inspection End.

B1434 KNEE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

B1434 KNEE AIR BAG MODULE LH

DTC Description

INFOID:0000000011554391

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DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition			
			Diagnosis condition	When ignition switch is ON		
	KNEE AIR BAG MODULE LH	13	Signal (terminal)	Left knee air bag module circuit (terminal 1 and 2)		
	[OPEN]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON		
	KNEE AIR BAG MODULE LH [VB-SHORT]	12	Signal (terminal)	Left knee air bag module circuit (terminal 1 and 2)		
			Threshold	_		
B1434			Diagnosis delay time	_		
D 1434		11	Diagnosis condition	When ignition switch is ON		
	KNEE AIR BAG MODULE LH [GND-SHORT]		Signal (terminal)	Left knee air bag module circuit (terminal 1 and 2)		
			Threshold	_		
			Diagnosis delay time	_		
		00	Diagnosis condition	When ignition switch is ON		
	KNEE AIR BAG MODULE LH		Signal (terminal)	Left knee air bag module circuit (terminal 1 and 2)		
	[SHORT]		Threshold	_		
			Diagnosis delay time	_		

POSSIBLE CAUSE

[OPEN]

- Connection malfunction or open circuit of harness and connector
- · Internal malfunction of left knee air bag module
- · Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]

- Connection malfunction or short circuit to power supply of harness and connector
- · Internal malfunction of left knee air bag module
- Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of left knee air bag module
- Internal malfunction of air bag diagnosis sensor unit [SHORT]
- · Connection malfunction or short circuit of harness and connector
- Internal malfunction of left knee air bag module
- · Internal malfunction of air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-120, "Diagnosis Procedure".

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

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B1434 KNEE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

$\overline{2}$.erase self diagnostic result

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-120, "Diagnosis Procedure"</u>.

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-16</u>. "SRS Operation Check".

NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-120, "Diagnosis Procedure"</u>.

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011554392

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

- 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.

NOTF:

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.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 5.

B1434 KNEE AIR BAG MODULE LH

< DTC/CIRCUIT DIAGNOSIS >

C DTC/CIRCUIT DIAGNOSIS >	
NO >> Refer to GI-42, "Intermittent Incident".	
5. AIR BAG DIAGNOSIS SENSOR UNIT	Α
 Replace the air bag diagnosis sensor unit. Refer to <u>SR-29, "Removal and Installation"</u>. Turn ignition switch ON. Check for DTC using CONSULT. <u>Is DTC still current?</u> 	В
YES >> GO TO 6. NO >> Clear DTC. Inspection End.	С
6.LEFT KNEE AIR BAG MODULE	
 Replace the left knee air bag module. Refer to <u>SR-20, "Removal and Installation"</u>. Turn ignition switch ON. Check for DTC using CONSULT. 	D
Is DTC still current?	Е
YES >> GO TO 7. NO >> Clear DTC. Inspection End.	
.RELATED HARNESS	F
Replace the related harness.	
>> Inspection End.	G

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B1436 ACTIVE VENT

DTC Description

DTC DETECTION LOGIC

DTC **CONSULT** name DTC detecting condition When ignition switch is ON. Diagnosis condition Signal (terminal) Active vent circuit is open. **ACTIVE VENT** 13 [OPEN] Threshold Diagnosis delay time Diagnosis condition When ignition switch is ON. Active vent circuit is shorted to Signal (terminal) **ACTIVE VENT** power supply circuit. 12 [VB-SHORT] Threshold Diagnosis delay time B1436 Diagnosis condition When ignition switch is ON. Active vent circuit is shorted to Signal (terminal) **ACTIVE VENT** ground. 11 [GND-SHORT] Threshold Diagnosis delay time Diagnosis condition When ignition switch is ON. Active vent circuit is shorted to Signal (terminal)

POSSIBLE CAUSE

ACTIVE VENT

[SHORT]

[OPEN]

Connection malfunction or open circuit of harness and connector

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Threshold

Diagnosis delay time

- Internal malfunction of passenger air bag module (active vent)
- · Internal malfunction of air bag diagnosis sensor unit

[VB-SHORT]

- Connection malfunction or short circuit to power supply of harness and connector
- Internal malfunction of passenger air bag module (active vent)
- · Internal malfunction of air bag diagnosis sensor unit

[GND-SHORT]

- Connection malfunction or short circuit to ground of harness and connector
- Internal malfunction of passenger air bag module (active vent)
- · Internal malfunction of air bag diagnosis sensor unit

[SHORT]

- Connection malfunction or short circuit of harness and connector
- Internal malfunction of passenger air bag module (active vent)
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

 ${f 1}.$ CHECK SELF DIAGNOSTIC RESULT

B1436 ACTIVE VENT

< DTC/CIRCUIT DIAGNOSIS > Turn ignition switch ON. Check for DTC using CONSULT. Α Is the DTC detected? YES (Current DTC)>> Refer to SRC-123, "Diagnosis Procedure". YES (Past DTC)>> GO TO 2. В >> Inspection End. 2.erase self diagnostic result Erase the DTC using CONSULT. Can the DTC be erased? YES >> Inspection End. D NO >> Refer to SRC-123, "Diagnosis Procedure". DTC CONFIRMATION PROCEDURE (Without CONSULT) 1. CHECK SELF DIAGNOSTIC RESULT Е Turn ignition switch ON. 2. Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check". NOTE: SRS will not enter diagnosis mode if no malfunction is detected in user mode. Is the DTC detected? YES >> Refer to <u>SRC-123</u>, "Diagnosis Procedure". NO >> Inspection End. Diagnosis Procedure INFOID:0000000011219775 **SRC** 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). K Is the inspection result normal? YES >> GO TO 2. >> Perform one of the following repairs: NO Visible damage: Replace the harness. · Loose terminal: Secure the terminal. Poor connection: Secure the connection. 2.CONFIRM DTC M Reconnect all harness connectors. Turn ignition switch ON. N Check for DTC using CONSULT. Is DTC still current? YES >> GO TO 3. NO >> Refer to GI-42, "Intermittent Incident". 3. WIRING HARNESS Check the wiring harness for visible damage. NOTE: The entire wiring harness should be inspected from the air bag diagnosis sensor unit to the end component (including any in-line connectors). Is the inspection result normal? YES >> GO TO 4.

NO

>> Replace the harness.

B1436 ACTIVE VENT

< DTC/CIRCUIT DIAGNOSIS >

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

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".
- 2. Turn ignition switch ON.
- 3. Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6. FRONT PASSENGER AIR BAG MODULE

- Replace the front passenger air bag module. Refer to <u>SR-18, "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.

>> Inspection End.

B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

B142A IGNITION VOLTAGE

DTC Description INFOID:0000000011219777

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition					
			Diagnosis condition	When ignition switch is ON.				
_	IGN VOLTAGE [VB-LOW]	00	Signal (terminal)	Ignition voltage low at air bag diagnosis sensor unit.				
	[VB-LOW]		Threshold	_				
B142A			Diagnosis delay time	_				
D142A	IGN VOLTAGE [VB-HIGH]	00	Diagnosis condition	When ignition switch is ON.				
			Signal (terminal)	Ignition voltage high at air bag diagnosis sensor unit.				
			Threshold	_				
			Diagnosis delay time	_				

POSSIBLE CAUSE

[VB-LOW]

- · Malfunction of battery voltage (low voltage)
- Connection malfunction of harness or connector
- Internal malfunction of air bag diagnosis sensor unit

[VB-HIGH]

- Malfunction of battery voltage (high voltage)
- · Connection malfunction of harness or connector
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-126, "Diagnosis Procedure".

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2.ERASE SELF DIAGNOSTIC RESULT

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

>> Refer to SRC-126, "Diagnosis Procedure".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSTIC RESULT

- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check".

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B142A IGNITION VOLTAGE

< DTC/CIRCUIT DIAGNOSIS >

NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-126</u>, "<u>Diagnosis Procedure</u>".

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011219778

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 ${ t DTC}$

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

Is DTC still current?

YES >> GO TO 3.

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.confirm dtc

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

Is DTC still current?

YES >> GO TO 5.

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

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

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-29, "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.RELATED HARNESS

Replace the related harness.

B142A IGNITION VOLTAGE

>> Inspection End.

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B1427 CONFIG SETTING

< DTC/CIRCUIT DIAGNOSIS >

B1427 CONFIG SETTING

DTC Description

DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition		
			Diagnosis condition	When ignition switch is ON.	
B1427	ECU SETTING	55	Signal (terminal)	_	
D1421	(Configuration setting)	33	Threshold	_	
			Diagnosis delay time	_	

POSSIBLE CAUSE

When air bag diagnosis unit is replaced.

FAIL-SAFE

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Diagnosis Procedure

INFOID:0000000011506345

1.PERFORM CONFIGURATION

Perform configuration for air bag diagnosis sensor unit.

>> Refer to SRC-44, "CONFIGURATION: Work Procedure".

B1400, B1401, B1402, B1403, B1404, B1405 AIR BAG DIAGNOSIS SENSOR

< DTC/CIRCUIT DIAGNOSIS >

B1400, B1401, B1402, B1403, B1404, B1405 AIR BAG DIAGNOSIS SEN-**SOR UNIT**

DTC Description INFOID:0000000011492101

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DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition				
			Diagnosis condition	When ignition switch is ON.			
D4400	CONTROL UNIT	00	Signal (terminal)	_			
B1400–	[UNIT MALFUNC]	00	Threshold	-			
			Diagnosis delay time	_			
			Diagnosis condition	When ignition switch is ON.			
B1401–	CONTROL UNIT	00	Signal (terminal)	_			
B1401-	[UNIT MALFUNC]	00	Threshold	_			
			Diagnosis delay time	_			
			Diagnosis condition	When ignition switch is ON.			
D1402	CONTROL UNIT	OL UNIT 00	Signal (terminal)	_			
B1402- [UNIT MALFUNC]	00	Threshold	_				
			Diagnosis delay time	_	S		
			Diagnosis condition	When ignition switch is ON.			
B1403-	CONTROL UNIT	00	Signal (terminal)	_			
D1403-	[UNIT MALFUNC]	00	Threshold	_			
			Diagnosis delay time	_			
			Diagnosis condition	When ignition switch is ON.			
B1404–	CONTROL UNIT	00	Signal (terminal)	_			
D1404-	[UNIT MALFUNC]	00	Threshold	_			
		Diagnosis delay time	_				
			Diagnosis condition	When ignition switch is ON.			
CONTROL U	CONTROL UNIT	00	Signal (terminal)	_			
B1405-	[UNIT MALFUNC]	00	Threshold	_			
			Diagnosis delay time	_			

POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE

1. CHECK SELF DIAGNOSTIC RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- Perform "Self Diagnostic Result" of "AIR BAG" using CONSULT.
- Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check".

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

Is malfunctioning part detected?

SRC-129 Revision: October 2014 2015 Murano

B1400, B1401, B1402, B1403, B1404, B1405 AIR BAG DIAGNOSIS SENSOR

< DTC/CIRCUIT DIAGNOSIS >

YES >> Refer to SRC-130, "Diagnosis Procedure".

NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".

NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:0000000011492102

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (to discharge backup capacitor)
- · Never use an unspecified tester or other measuring device.

CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

>> GO TO 2.

NO-1 >> Damage: Replace malfunctioning harness and connector.

NO-2 >> Disconnection or looseness: Securely lock the connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace malfunctioning harness and connector.

3.replace air bag diagnosis sensor unit

- Replace air bag diagnosis sensor unit. Refer to <u>SR-29, "Removal and Installation"</u>. Perform DTC confirmation procedure. Refer to <u>SRC-129, "DTC Description"</u>.

Is DTC detected?

>> GO TO 1. YES

NO >> Inspection End.

B1406, B1407, B1408, B1409, B1410 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1406, B1407, B1408, B1409, B1410 AIR BAG DIAGNOSIS SENSOR UNIT

DTC Description

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition				
			Diagnosis condition	When ignition switch is ON.		
B1406	CONTROL UNIT	00	Signal (terminal)	_		
D1400	[UNIT MALFUNC]	00	Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
D4407	CONTROL UNIT	00	Signal (terminal)	_		
B1407	B1407 [UNIT MALFUNC]	00	Threshold	_		
		Diagnosis delay time	_			
		00	Diagnosis condition	When ignition switch is ON.		
D4400	CONTROL UNIT		Signal (terminal)	_		
B1408	[UNIT MALFUNC]		Threshold	_		
			Diagnosis delay time	_		
				Diagnosis condition	When ignition switch is ON.	
D4400	CONTROL UNIT	00	Signal (terminal)	_		
B1409	[UNIT MALFUNC]		Threshold	_		
			Diagnosis delay time	_		
			Diagnosis condition	When ignition switch is ON.		
D	CONTROL UNIT	00	Signal (terminal)	_		
B1410	[UNIT MALFUNC]		Threshold	_		
			Diagnosis delay time	_		

POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE

1. CHECK SELF DIAGNOSIS RESULT

- (P) With CONSULT
- Turn ignition switch ON.
- 2. Perform "Self Diagnostic Result" of "AIR BAG" using CONSULT.
- Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-16, "SRS Operation Check"</u>.

NOTE:

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

Is malfunctioning part detected?

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- YES >> Refer to <u>SRC-132</u>, "Diagnosis Procedure".
- NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".

SRC-131

NO-2 >> Confirmation after repair: Inspection End.

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B1406, B1407, B1408, B1409, B1410 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Diagnosis Procedure

INFOID:0000000011492104

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more (to discharge backup capacitor).
- Never use an unspecified tester or other measuring device.

1. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES >> GO TO 2.

NO-1 >> Damage: Replace malfunctioning harness and connector.

NO-2 >> Disconnection or looseness: Securely lock the connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace malfunctioning harness and connector.

3.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".
- Perform DTC confirmation procedure. Refer to <u>SRC-131, "DTC Description"</u>.

Is DTC detected?

YES >> GO TO 1.

NO >> Inspection End.

B1411, B1412, B1413, B1414, B1415 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1411, B1412, B1413, B1414, B1415 AIR BAG DIAGNOSIS SENSOR UNIT

DTC Description

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition		
		00	Diagnosis condition	When ignition switch is ON.
B1411	CONTROL UNIT		Signal (terminal)	_
D1411	[UNIT MALFUNC]	00	Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
B1412	CONTROL UNIT [UNIT MALFUNC]	00	Signal (terminal)	_
D1412	[ONT WALLONG]	00	Threshold	_
			Diagnosis delay time	_
		00	Diagnosis condition	When ignition switch is ON.
B1413	CONTROL UNIT		Signal (terminal)	_
D1413	[UNIT MALFUNC]		Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
B1414	CONTROL UNIT	00	Signal (terminal)	_
DITIT	[UNIT MALFUNC]	00	Threshold	_
			Diagnosis delay time	_
			Diagnosis condition	When ignition switch is ON.
B1415	CONTROL UNIT	00	Signal (terminal)	_
D1413	[UNIT MALFUNC]		Threshold	_
			Diagnosis delay time	_

POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE

1. CHECK SELF DIAGNOSTIC RESULT

- (P) With CONSULT
- 1. Turn ignition switch ON.
- Perform "Self Diagnostic Result" of "AIR BAG" using CONSULT.
- Without CONSULT
- Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-16, "SRS Operation Check"</u>.

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-133</u>, "<u>Diagnosis Procedure</u>".
- NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
- NO-2 >> Confirmation after repair: Inspection End.

Diagnosis Procedure

INFOID:0000000011492106

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WARNING:

B1411, B1412, B1413, B1414, B1415 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more. (to discharge backup capacitor).
- · Never use unspecified tester or other measuring device.

1. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES >> GO TO 2.

NO-1 >> Damage: Replace malfunctioning harness and connector.

NO-2 >> Disconnection or looseness: Securely lock the connector.

2.CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace malfunctioning harness and connector.

3.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-133, "DTC Description".

Is DTC detected?

YES >> GO TO 1.

NO >> Inspection End.

B1416, B1417, B1418, B1419, B1420 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B1416, B1417, B1418, B1419, B1420 AIR BAG DIAGNOSIS SENSOR UNIT

DTC Description

DTC DETECTION LOGIC

DTC	CONSULT screen items (Trouble diagnosis content)	DTC detecting condition				
B1416	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.		
			Signal (terminal)	Air bag control unit internal trouble, EEPROM		
			Threshold	_		
			Diagnosis delay time	_		
B1417	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.		
			Signal (terminal)	Air bag control unit internal trouble, Algorithm		
			Threshold	_		
			Diagnosis delay time	_		
B1418	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.		
			Signal (terminal)	Air bag control unit internal trouble, Configuration		
			Threshold	_		
			Diagnosis delay time	_		
B1419	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.		
			Signal (terminal)	Air bag control unit internal trouble, other component		
			Threshold	_		
			Diagnosis delay time	_		
B1420	CONTROL UNIT [UNIT MALFUNC]	00	Diagnosis condition	When ignition switch is ON.		
			Signal (terminal)	Air bag control unit internal trouble, other component		
			Threshold	_		
			Diagnosis delay time			

POSSIBLE CAUSE

Malfunction in air bag diagnosis sensor unit

FAIL-SAFE

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DTC CONFIRMATION PROCEDURE

1. CHECK SELF DIAGNOSTIC RESULT

(P) With CONSULT

- 1. Turn ignition switch ON.
- 2. Perform "Self Diagnostic Result" of "AIR BAG" using CONSULT.

Without CONSULT

- 1. Turn ignition switch ON.
- Check the air bag warning lamp status. Refer to <u>SRC-16</u>. "SRS Operation Check".

NOTE:

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

Is malfunctioning part detected?

- YES >> Refer to <u>SRC-136</u>, "<u>Diagnosis Procedure</u>".
- NO-1 >> To check malfunction symptom before repair: Refer to GI-42, "Intermittent Incident".
- NO-2 >> Confirmation after repair: Inspection End.

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B1416, B1417, B1418, B1419, B1420 AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

Diagnosis Procedure

INFOID:0000000011492108

WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal, and wait at least 3 minutes or more (to discharge backup capacitor).
- Never use an unspecified tester or other measuring device.

1. CHECK HARNESS CONNECTOR

Check the harness connector for disconnection, looseness or damage.

Is the inspection result normal?

YES >> GO TO 2.

NO-1 >> Damage: Replace malfunctioning harness and connector.

NO-2 >> Disconnection or looseness: Securely lock the connector.

2. CHECK WIRING HARNESS

Check the wiring harness externals.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace malfunctioning harness and connector.

3.replace air bag diagnosis sensor unit

- 1. Replace air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".
- 2. Perform DTC confirmation procedure. Refer to SRC-135, "DTC Description".

Is DTC detected?

YES >> GO TO 1.

NO >> Inspection End.

B142X COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

B142X COLLISION DETECTION

DTC Description INFOID:0000000011219780

DTC DETECTION LOGIC

DTC	CONSULT name	DTC detecting condition			
B1421			Diagnosis condition	When ignition switch is ON.	
	FRONTAL COLLISION DETECTION	00	Signal (terminal)	_	
	FRONTAL COLLISION DETECTION		Threshold	_	
			Diagnosis delay time	_	
B1422	SIDE COLLISION DETECTION	00	Diagnosis condition	When ignition switch is ON.	
			Signal (terminal)	_	
			Threshold	_	
			Diagnosis delay time	_	
	ROLLOVER DETECTION	00	Diagnosis condition	When ignition switch is ON.	
B1423			Signal (terminal)	_	
D1423	ROLLOVER DETECTION		Threshold	_	
			Diagnosis delay time	_	
		00	Diagnosis condition	When ignition switch is ON.	
B1425	REAR COLLISION		Signal (terminal)	_	
B1425			Threshold		
			Diagnosis delay time	_	

POSSIBLE CAUSE

[B1421-00]

- Malfunction of frontal-related parts
- · Internal malfunction of air bag diagnosis sensor unit

[B1422-00]

- Malfunction of side-related parts
- · Internal malfunction of air bag diagnosis sensor unit

[B1423-00]

- · B1423-Malfunction of side-related parts
- · Internal malfunction of air bag diagnosis sensor unit

[B1425-00]

- B1425–Malfunction of rear-related parts
- · Internal malfunction of air bag diagnosis sensor unit

FAIL-SAFE

DTC CONFIRMATION PROCEDURE (With CONSULT)

1.INSPECTION START

Turn ignition switch ON.

>> GO TO 2.

2.CHECK SELF DIAGNOSTIC RESULT

Check for the DTC on CONSULT.

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B142X COLLISION DETECTION

< DTC/CIRCUIT DIAGNOSIS >

Is the DTC detected?

YES >> Refer to <u>SRC-138, "Diagnosis Procedure"</u>.

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011219781

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

B14XX AIR BAG DIAGNOSIS SENSOR UNIT

< DTC/CIRCUIT DIAGNOSIS >

B14XX AIR BAG DIAGNOSIS SENSOR UNIT

DTC Description

INFOID:0000000011219783

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DTC DETECTION LOGIC

DTC	CONSULT name		DTC detecting condition	
B14XX	AIRBAG DISPOSAL COMPLETION	Diagnosis condition	When ignition switch is ON.	
		Signal (terminal)	Air bag diagnosis sensor unit is malfunctioning.	
		Threshold	_	_ D
		Diagnosis delay time	_	
B1426	AIRBAG DISPOSAL DE- TECT	Diagnosis condition	When ignition is ON.	
		Signal (terminal)	Air bag diagnosis sensor unit is malfunctioning.	Е
		Threshold	_	
		Diagnosis delay time	_	

POSSIBLE CAUSE

- · Air bag module has been deployed
- · Internal malfunction of air bag diagnosis sensor unit

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DTC CONFIRMATION PROCEDURE (With CONSULT)

1. CHECK SELF DIAGNOSIS RESULT

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

Is the DTC detected?

YES (Current DTC)>> Refer to SRC-139, "Diagnosis Procedure".

YES (Past DTC)>> GO TO 2.

NO >> Inspection End.

2.erase self diagnosis result

Erase the DTC using CONSULT.

Can the DTC be erased?

YES >> Inspection End.

NO >> Refer to <u>SRC-139</u>, "<u>Diagnosis Procedure</u>".

DTC CONFIRMATION PROCEDURE (Without CONSULT)

1. CHECK SELF DIAGNOSIS RESULT

- 1. Turn ignition switch ON.
- 2. Check the air bag warning lamp status. Refer to SRC-16, "SRS Operation Check".

NOTE:

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

Is the DTC detected?

YES >> Refer to <u>SRC-139</u>, "Diagnosis Procedure".

NO >> Inspection End.

Diagnosis Procedure

INFOID:0000000011219784

1. HARNESS CONNECTOR

Visually inspect all applicable harness connectors for the following:

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B14XX AIR BAG DIAGNOSIS SENSOR UNIT

< 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 sensor unit to the end component (including any in-line connectors).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Perform one of

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

2.confirm dtc

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

Is DTC still current?

YES >> GO TO 3.

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

3. WIRING HARNESS

Check the wiring harness for visible damage.

NOTE:

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

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace the harness.

4.CONFIRM DTC

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

Is DTC still current?

YES >> GO TO 5.

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

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

- 1. Replace the air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".
- 2. Turn ignition switch ON.
- Check for DTC using CONSULT.

Is DTC still current?

YES >> GO TO 6.

NO >> Clear DTC. Inspection End.

6.RELATED HARNESS

Replace the related harness.

>> Inspection End.

SRS AIR BAG WARNING LAMP DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS Α SRS AIR BAG WARNING LAMP DOES NOT TURN ON Air Bag Warning Lamp Does Not Turn On INFOID:0000000011219785 1. CHECK METER FUSE Check the 10A fuse [No. 13, located in the fuse block (J/B)]. Is the fuse blown? YES >> GO TO 2. NO >> GO TO 3. D 2.REPLACE METER FUSE AND CHECK AGAIN Replace 10A fuse [No. 13, located in the fuse block (J/B)] and turn ignition switch ON. Е Does the fuse blow again? YES >> Replace fuse and harness. NO >> Inspection End. 3.check harness connections between air bag diagnosis sensor unit and combina-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. SRC NO >> GO TO 4. 4. CHECK COMBINATION METER Disconnect the air bag diagnosis sensor unit harness connectors and turn ignition switch ON. Does air bag warning lamp turn on? YES >> Replace the air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation". NO >> Replace the combination meter. Refer to MWI-78, "Removal and Installation". K L Ν

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SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

< SYMPTOM DIAGNOSIS >

SRS AIR BAG WARNING LAMP DOES NOT TURN OFF

Air Bag Warning Lamp Does Not Turn Off

INFOID:0000000011219786

1. CHECK CONDITION OF AIR BAG MODULE

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

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

YES >> Refer to <u>SR-5</u>, "For Frontal Collision" or <u>SR-7</u>, "For Side and Rollover Collision".

NO >> GO TO 2.

2.CHECK THE AIR BAG FUSE

Check 10A fuse [No. 32, located in the fuse block (J/B)].

Is the fuse blown?

YES >> GO TO 3.

NO >> GO TO 4.

3.CHECK AIR BAG FUSE AGAIN

Replace 10A fuse [No. 32, located in the fuse block (J/B)] and turn ignition switch ON.

Does the fuse blow again?

YES >> Replace fuse and harness.

NO >> Inspection End.

4. CHECK AIR BAG DIAGNOSIS SENSOR UNIT

Connect CONSULT.

Is "AIR BAG" displayed on CONSULT?

YES >> GO TO 5.

NO >> Visually inspect the air bag diagnosis sensor unit harness connections. If the connections are OK, replace the air bag diagnosis sensor unit. Refer to SR-29, "Removal and Installation".

5. CHECK HARNESS CONNECTION

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

Are there any loose connections?

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

NO >> Replace air bag diagnosis sensor unit. Refer to <u>SR-29</u>, "Removal and Installation".

SEAT BELT WARNING SYSTEM

< SYMPTOM DIAGNOSIS > SEAT BELT WARNING SYSTEM Α Seat Belt Warning System Does Not Function INFOID:0000000011219787 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. 13, 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-28, "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-13, "OCCUPANT CLASSIFICATION SYS-TEM: System Description". 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-29, "Removal and Installation". L N

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

< SYMPTOM DIAGNOSIS >

A/B WARNING LAMP IS OFF, PASS A/B INDCTR LAMP TURNS ON INTER-MIT

Description INFOID:0000000011734958

SRS air bag warning lamp is OFF, passenger air bag indicator lamp turns ON intermittently with a person of adult stature seated normally in the passenger seat.

Diagnosis Procedure

INFOID:0000000011734959

1.REPLACE OCS SENSORS

- Replace the OCS sensors. Refer to <u>SR-33, "Removal and Installation"</u>. Perform zero point reset. Refer to <u>SRC-44, "ZERO POINT RESET: Description"</u>.

Is symptom still present?

YES >> GO TO 2.

>> Inspection End. NO

2. REPLACE PASSENGER SEAT CUSHION FRAME

- Replace the passenger seat cushion frame. Refer to SE-164, "Seat Cushion".
- Perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

>> Inspection End.

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

< SYMPTOM DIAGNOSIS >

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

Description INFOID:000000011734960

Vehicle conditions:

- Seat belt indicator lamp is ON, passenger air bag indicator lamp is ON or OFF
- Passenger seat is unoccupied
- Driver seat belt is buckled
- Passenger seat belt buckle harness and seat belt buckle switch are OK (buckle passenger seat belt to check
 if seat belt indicator lamp turns OFF, driver seat belt needs to be buckled)

Diagnosis Procedure

1.REPLACE OCS SENSORS

- 1. Replace the OCS sensors. Refer to SR-33, "Removal and Installation".
- Perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

Is symptom still present?

YES >> GO TO 2.

NO >> Inspection End.

2. REPLACE PASSENGER SEAT CUSHION FRAME

- Replace the passenger seat cushion frame. Refer to <u>SE-164, "Seat Cushion"</u>.
- 2. Perform zero point reset. Refer to SRC-44, "ZERO POINT RESET: Description".

>> Inspection End.

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