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B1004		
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B1009		
B1010		
B1011		
B1012		
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B1017-B1031

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	OCCUPANT SENSOR C/U	B1017
	OCCUPANT SENS	B1018
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	OCCUPANT SENSOR C/U	B1020
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		B1026
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B1033-B1047

DTC	Items (CONSULT screen terms)	Reference
B1033		
B1034		
B1035	CRASH ZONE SENSOR	
B1036	CRASH ZONE SENSOR	
B1038		
B1040		SRS-24, "Trouble Diagnosis with CONSULT-III"
B1042	CONTROL UNIT	- SK3-24, Houble Diagnosis with CONSOL1-III
B1043		
B1044		
B1045		
B1046		
B1047		

B1049-B1063

DTC	Items (CONSULT screen terms)	Reference
B1049		
B1050		
B1051		
B1052	DRIVER AIR BAG MODULE	
B1054	DRIVER AIR BAG MODULE	
B1055	CONTROL UNIT	
B1056		SRS-24, "Trouble Diagnosis with CONSULT-III"
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B1058		
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# **DTC INDEX**

# < SERVICE INFORMATION >

B1065-B1079		
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DTC	Items (CONSULT screen terms)	Reference	
B1065			В
B1066			
B1067			С
B1068	ASSIST A/B MODULE		
B1070	ASSIST AVB MODULE		
B1071			D
B1072		SRS-24, "Trouble Diagnosis with CONSULT-III"	
B1073		SIXO-24, Hodble Diagnosis with CONSOLT-III	_
B1074			Е
B1075			
B1076	CONTROL UNIT		F
B1077	CONTROL ONT		
B1078			
B1079			G

B1081-B1111

-	Reference	Items (CONSULT screen terms)	DTC
			B1081
		PRE-TEN FRONT RH	B1082
		PRE-TEN FRONT RH	B1083
			B1084
			B1086
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	SRS-24, "Trouble Diagnosis with CONSULT-III"		B1089
			B1106
			B1107
		CONTROL UNIT	B1108
		CONTROL UNIT	B1109
			B1110
			B1111

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B1113-B1127

DTC	Items (CONSULT screen terms)	Reference
B1113		
B1114	SATELLITE SENS RH	
B1115	SAIELLIIE SENS KR	
B1116		
B1118	SATELLITE SENS LH	1
B1119		
B1120		SRS-24, "Trouble Diagnosis with CONSULT-III"
B1121		SIG-24, Houble Diagnosis with CONSOLT-III
B1122	CONTROL UNIT	1
B1123		
B1124		
B1125		
B1126		
B1127		

B1129-B1143

DTC	Items (CONSULT screen terms)	Reference
B1129		
B1130	SIDE MODULE RH	
B1131	SIDE MODULE KH	
B1132		
B1134	SIDE MODULE LH	
B1135		
B1136		SRS-24, "Trouble Diagnosis with CONSULT-III"
B1137		SK3-24, Houble Diagnosis With CONSULT-III
B1138	CONTROL UNIT	
B1139		
B1140		
B1141		
B1142		
B1143		

B1145-B1210

# **DTC INDEX**

# < SERVICE INFORMATION >

DTC	Items (CONSULT screen terms)	Reference	
B1145			/
B1146	CURTAIN MODULE RH		
B1147	CONTAIN MODULE KH		
B1148			
B1150		1	
B1151	CURTAIN MODULE LH		(
B1152	CONTAIN MODULE LA	SRS-24, "Trouble Diagnosis with CONSULT-III"	
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B1202		- SRS-24, Trouble Diagnosis With CONSULT-III	
B1203			
B1204	CONTROL UNIT		-
B1205	CONTROL UNIT		
B1206			
B1207			I
B1209	FRONTAL COLLISION	1	
B1210	SIDE COLLISIONJ	1	(

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# **PRECAUTIONS**

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

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SUPPLEMENTAL RESTRAINT SYSTEM" and "SEAT BELTS" 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 "SUPPLEMENTAL RESTRAINT SYSTEM".
- 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 Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

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

INFOID:0000000004158310

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

# Occupant Classification System Precaution

INFOID:0000000004158311

Replace occupant classification system control unit and passenger front seat cushion as an assembly. Refer to SE-146, "Passenger's Seat Component".

# **PREPARATION**

# < SERVICE INFORMATION >

# **PREPARATION**

# **Commercial Service Tool**

	Tool name	Description
Tamper resistant TORX bit	S-N1767	Removal tool of driver air bag module

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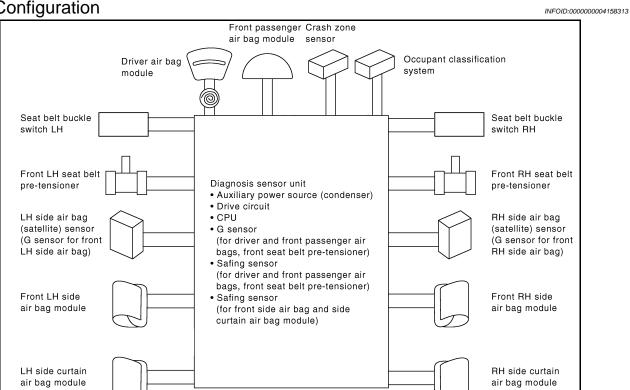
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# < SERVICE INFORMATION >

# SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

**SRS** Configuration



The air bag deploys if the diagnosis sensor unit activates while the ignition switch is in the ON or START posi-

PHIA1120E

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

SRS configurations which are activated for some collision modes are as follows;

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

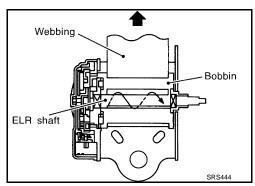
### < SERVICE INFORMATION >

# Front Seat Belt Pre-tensioner with Load Limiter

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

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

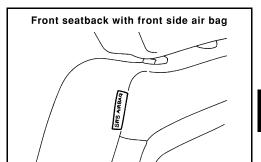
When passengers in a vehicle are thrown forward in a collision and the restraining force of the seat belt exceeds a specified level, the load limiter permits the specified extension of the seat belt by the twisting of the ELR shaft, and a relaxation of the chest-area seat belt web tension while maintaining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



# Front Side Air Bag

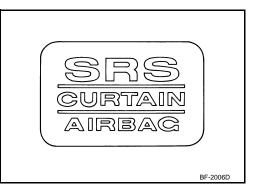
Front side air bag is built-in type.

The front seatback with built-in type side air bag have the labels as shown.



# Side Curtain Air Bag

The side curtain air bags have the labels as shown.



# Occupant Classification System (OCS)

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

### NOTE:

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

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INFOID:0000000004158317

INFOID:0000000004158314

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# < SERVICE INFORMATION >

# Passenger Air Bag Status Condition

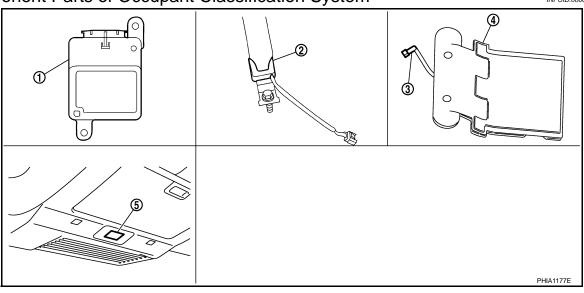
INFOID:0000000004158318

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

### NOTE:

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

# Component Parts of Occupant Classification System



- 1. Occupant classification system control unit
- 4. Bladder

- Belt tension sensor
- Seat pressure sensor
- 5. Front passenger air bag OFF indicator (Cut-off telltaile)

# Passenger Seatbelt Warning System

INFOID:0000000004158320

### SYSTEM DESCRIPTION

This system warns when passenger seatbelt is not fasten.

This system is composed of the following items.

- Seatbelt warning lamp.
- · Seatbelt buckle switch (passenger side).
- Air bag diagnosis sensor unit.
- Occupant classification system.

Seatbelt warning lamp is used for both driver seatbelt warning and passenger seatbelt warning.

Seatbelt warning lamp turns ON when all conditions below are met.

- · Driver seatbelt is fastened.
- · Occupant is on passenger seat.
- · Passenger seatbelt is not fasten.

### < SERVICE INFORMATION >

# TROUBLE DIAGNOSIS

# Trouble Diagnosis Introduction

# **CAUTION:**

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

### DIAGNOSIS FUNCTION

The SRS self-diagnosis results can be read by using air bag warning lamp and/or CONSULT-III.

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

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

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

	User mode	Diagnosis mode	Display type
Air bag warning lamp	Х	X	ON/OFF operation
CONSULT-III	_	X	Monitoring

### HOW TO PERFORM TROUBLE DIAGNOSIS FOR QUICK AND ACCURATE REPAIR

A good understanding of the malfunction conditions can make troubleshooting faster and more accurate. In general, each customer feels differently about a malfunction. It is important to fully understand the symptoms or conditions for a customer complaint.

Information from Customer

WHAT..... Vehicle model

WHEN..... Date, Frequencies

WHERE..... Road conditions

HOW..... Operating conditions, Symptoms

### **Preliminary Check**

Check that the following parts are in good order.

- Battery (Refer to <u>SC-4, "How to Handle Battery"</u>.)
   Fuse (Refer to <u>SRS-17, "Wiring Diagram SRS -"</u>.)
- System component-to-harness connections

# **WORK FLOW**

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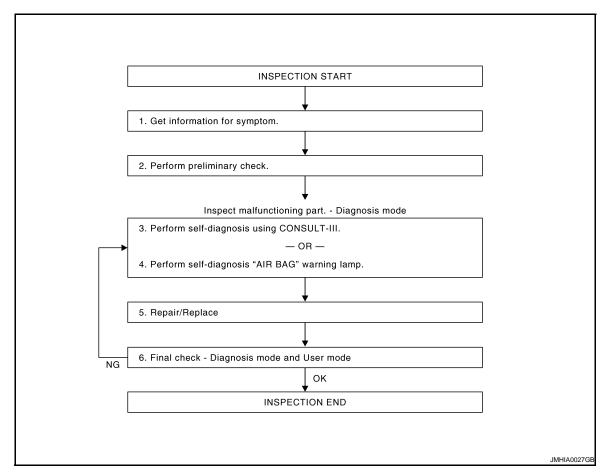
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**SRS-13** Revision: 2009 Novemver 2009 M35/M45



### **DETAILED FLOW**

# 1.GET INFORMATION FOR SYMPTOM

Get the detailed information from the customer about the symptom.

>> GO TO 2.

# 2.PERFORM PRELIMINARY CHECK

At the begining of inspection, confirm the condition of power supply circuit, check that the battery is charged and fuses and fusible links are not blown.

### Is power supply circuit normal?

YES-1 (With CONSULT-III)>>GO TO 3.

YES-2 (Without CONSULT-III)>>GO TO 4.

NO >> Repair or replace the battery and fuse/fusible links.

3.perform self-diagnosis using "consult-III" (with consult-III)

Check the screen of CONSULT-III.

# Is malfunctioning part displayed on CONSULT-III?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

# 4. PERFORM SELF-DIAGNOSIS "AIR BAG" WARNING LAMP (WITHOUT CONSULT-III)

Check the warning lamp status.

### Is malfunctioning part detected?

YES >> GO TO 5.

NO >> Repeat DTC confirmation with diagnostic procedure.

# ${f 5}$ . REPAIR OR REPLACE

### < SERVICE INFORMATION >

Repair or replace the malfunctioning part.

After the malfunctioning is repaired, erase the self-diagnostic result. Refer to SRS-21, "CONSULT-III Function". >> GO TO 6.

# 6. FINAL CHECK DIAGNOSIS MODE AND USER MODE

Check the screen of CONSULT-III and/or Air bag warning lamp status.

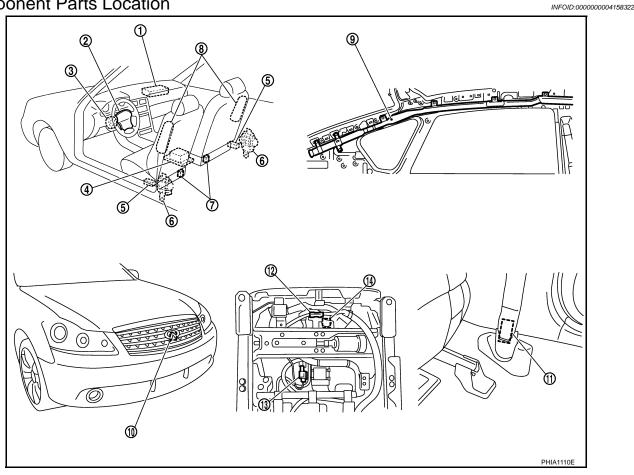
### Are the malfunctions corrected?

>> INSPECTION END. YES

NO-1(With CONSULT-III) >>GO TO 3.

NO-2 (Without CONSULT-III)>>GO TO 4.

# **Component Parts Location**



- 1. Front passenger air bag module
- 4. Diagnosis sensor unit
- 7. Seat belt buckle switch (RH/LH)
- 10. Crash zone sensor
- 13. Seat pressure sensor \*
- \*: The bottom of front passenger seat
- 2. Driver air bag module
- 5. Side air bag (Satellite) sensor (RH/LH)
- 8. Front side air bag module (RH/LH)
- 11. Belt tension sensor
- 14. Occupant classification system control unit \*
- 3. Spiral cable
- 6. Front seat belt pre-tensioner (RH/LH)
- 9. Side curtain air bag module
- 12. Belt tension sensor connector \*

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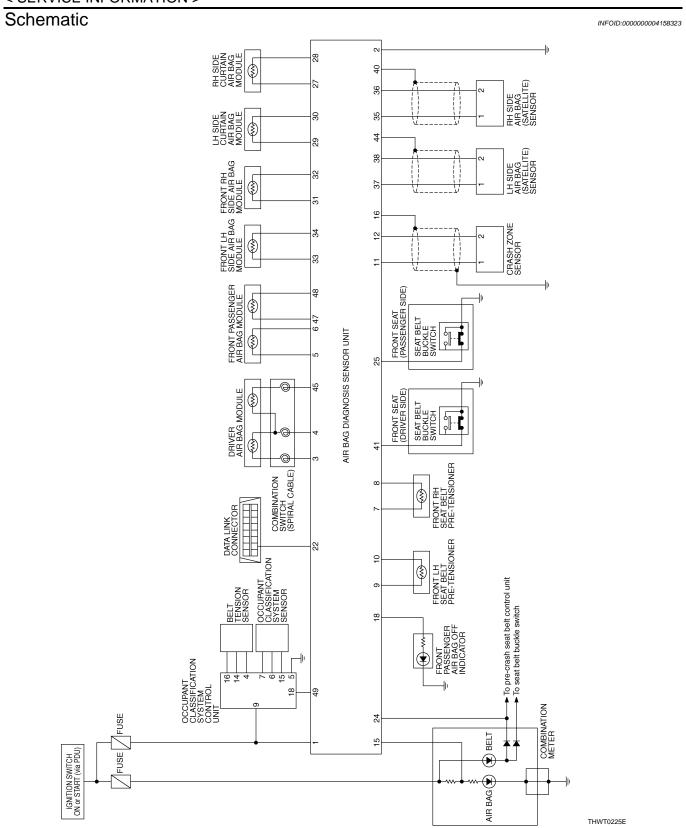
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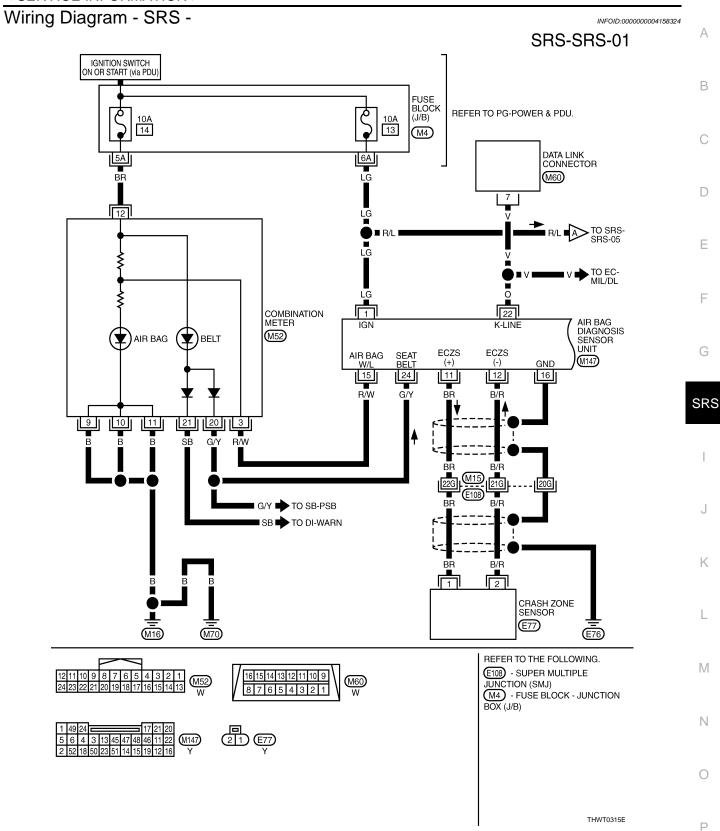
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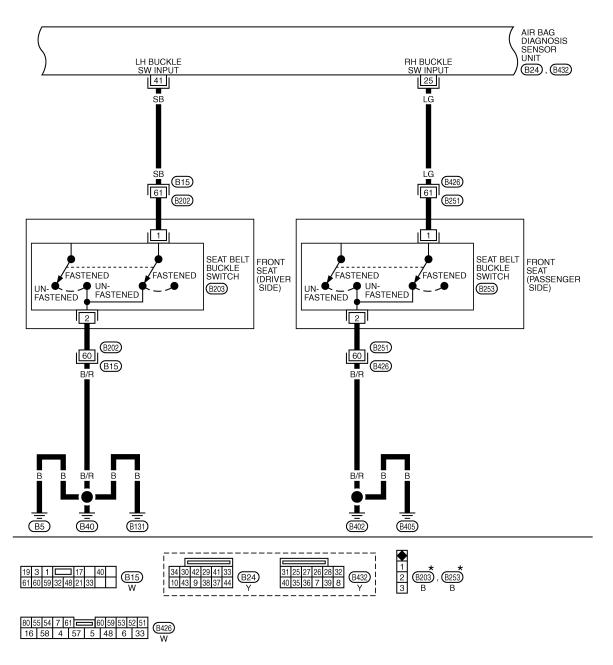
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**SRS-15** Revision: 2009 Novemver 2009 M35/M45



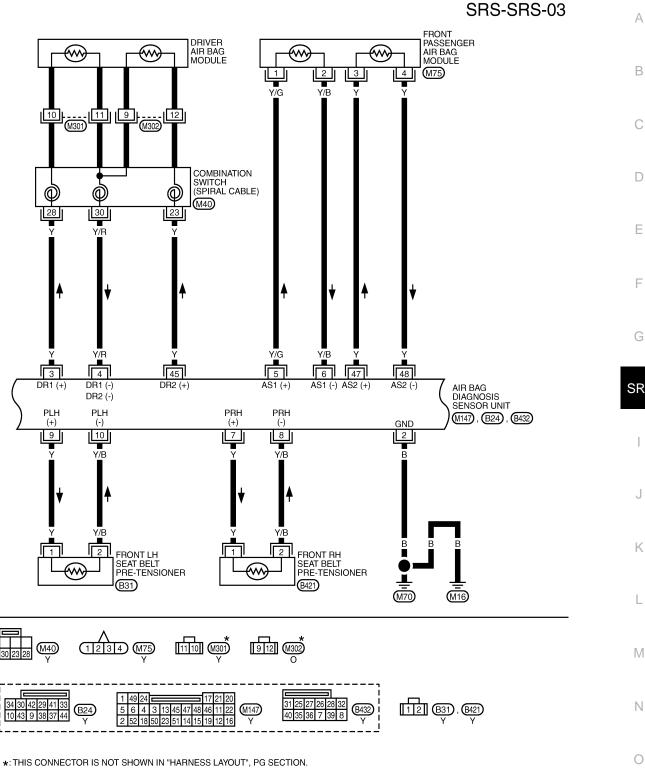


SRS-SRS-02



\*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT", PG SECTION.

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**SRS-19** Revision: 2009 Novemver 2009 M35/M45

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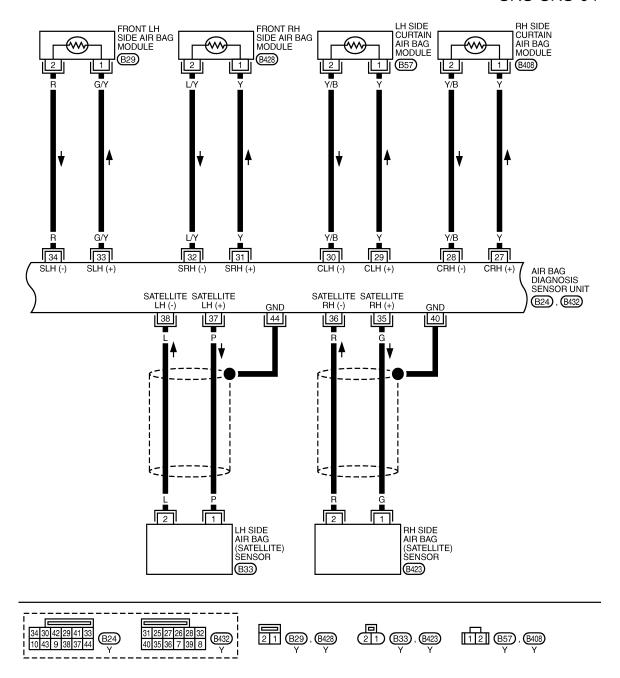
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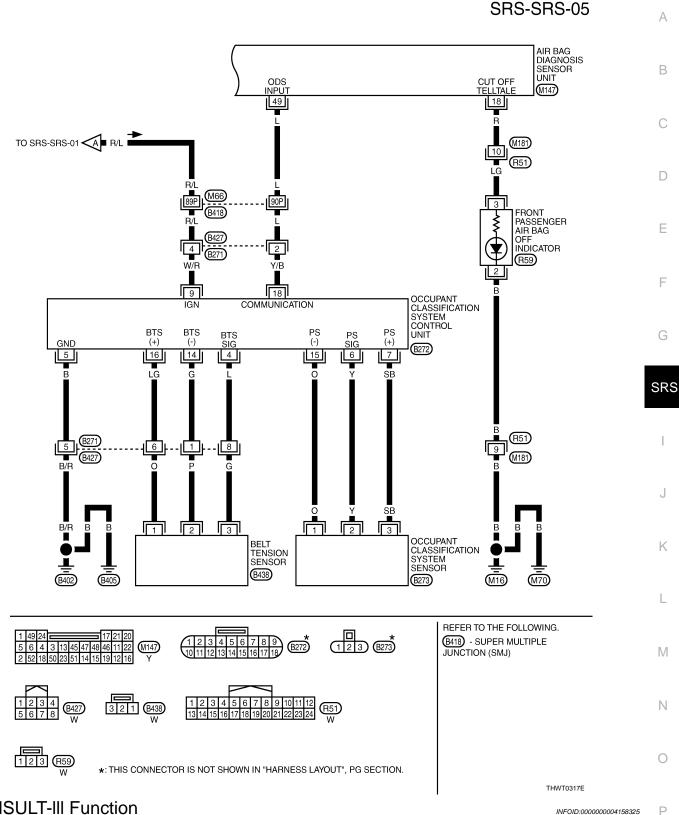
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THWT0318E

# SRS-SRS-04



THWT0316E



# CONSULT-III Function

# DIAGNOSIS MODE FOR CONSULT-III

"SELF-DIAG [CURRENT]"

A current self-diagnostic results (also indicated by the number of warning lamp flashes in the Diagnosis mode) is displayed on the CONSULT-III screen in real time. This refers to a malfunctioning part requiring repairs.

"SELF-DIAG [PAST]"

### < SERVICE INFORMATION >

Self-diagnostic results previously stored in the memory are displayed on the CONSULT-III screen. The stored results are not erased until memory erasing is performed.

"TROUBLE DIAG RECORD"

With TROUBLE DIAG RECORD, diagnostic results previously erased by a reset operation can be displayed on the CONSULT-III screen.

"ECU DISCRIMINATED NO."

Air bag diagnosis sensor unit ECU discriminated number (identification number) is displayed. Air bag diagnosis sensor unit has individual ECU discriminated number (identification number) based on model and equipment.

# (II) HOW TO CHANGE SELF-DIAGNOSIS MODE WITH CONSULT-III

From User Mode to Diagnosis Mode

After selecting "AIR BAG" on the "SELECT SYSTEM" screen, User mode automatically changes to Diagnosis mode.

From Diagnosis Mode to User Mode

To return to User mode from Diagnosis mode, touch "BACK" key of CONSULT-III until "SELECT SYSTEM" appears, then diagnosis mode automatically changes to User mode.

### HOW TO ERASE SELF-DIAGNOSTIC RESULTS

"SELF-DIAG [CURRENT]"

A current self-diagnostic result is displayed on the CONSULT-III screen in real time.

After the malfunction is repaired completely, no malfunction is detected on "SELF-DIAG [CURRENT]".

"SELF-DIAG [PAST]"

Return to the "SELF-DIAG [CURRENT]" CONSULT-III screen by touching "BACK" key of CONSULT-III and select "SELF-DIAG [CURRENT]" in SELECT DIAG MODE. Touch "ERASE" in "SELF-DIAG [CURRENT]" mode.

### NOTE:

If the memory of the malfunction in "SELF-DIAG [PAST]" is not erased, the User mode shows the system malfunction by the operation of the warning lamp even if the malfunction is repaired completely.

"TROUBLE DIAG RECORD"

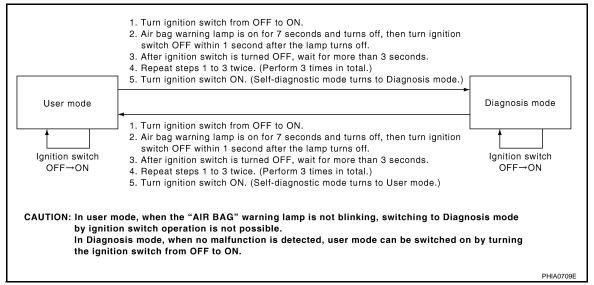
The memory of "TROUBLE DIAG RECORD" cannot be erased.

# Self-Diagnosis Function (Without CONSULT-III)

INFOID:0000000004158326

- The reading of these results is accomplished "User mode" and "Diagnosis mode".
- After a malfunction is repaired, turn ignition switch ON. Diagnosis mode returns to the User mode. At that time, the self-diagnostic result is cleared.

### HOW TO CHANGE SELF-DIAGNOSTIC MODE WITHOUT CONSULT-III



# HOW TO ERASE SELF-DIAGNOSTIC RESULTS

After a malfunction is repaired, turn the ignition switch OFF for at least one second, then back ON. Diagnosis mode returns to the User mode. At that time, the self-diagnostic results are cleared.

# SRS Operation Check (USER MODE)

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# DIAGNOSTIC PROCEDURE

Checking Air Bag Operation by Using "AIR BAG" Warning Lamp—User Mode

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



Warning lamp examples

Revision: 2009 Novemver

"AIR BAG" warning lamp operation-User mode-	SRS condition	Reference item
ON OFF 7 sec.	<ul><li>No malfunction is detected.</li><li>No further action is necessary.</li></ul>	_
SHIA0011E		
ON OFF 7 sec. 0.5 sec. 0.5 sec.	The system is malfunctioning and needs to be repaired as indicated.	Go to SRS-28, "Trouble Diagnosis without CONSULT-III".
SHIA0012E		

**SRS-23** 2009 M35/M45

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# < SERVICE INFORMATION >

"AIR BAG" warning lamp operation-User mode-	SRS condition	Reference item
	Air bag is deployed.     Seat belt pre-tensioner is deployed.	Go to SRS-48, "FOR FRONTAL COLLISION: When SRS is activated in a collision".
ON OFF SHIA0013E	<ul> <li>Diagnosis sensor unit is malfunctioning.</li> <li>Air bag power supply circuit is malfunctioning.</li> <li>SRS air bag warning lamp circuit is malfunctioning.</li> </ul>	Go to SRS-32, "Trouble Diagnosis: "AIR BAG" Warning Lamp Does Not Turn OFF".
IGN ON ON OFF  SHIA0014E	<ul> <li>Diagnosis sensor unit is malfunctioning.</li> <li>Air bag warning lamp circuit is malfunctioning.</li> </ul>	Go to SRS-32, "Trouble Diagnosis: "AIR BAG" Warning Lamp Does Not Turn ON".

# Trouble Diagnosis with CONSULT-III

INFOID:0000000004158328

# DIAGNOSTIC PROCEDURE

Diagnositic mode	Description
SELF-DIAG RESULT	The self-diagnosis result is displayed. SELF-DIAG [CURRENT], [PAST], RECORRD.
ECU DISCRIMINATED No.	The parts number of diagnosis sensor unit is displayed.

# DTC No. Index ("SELF-DIAG [CURRENT]" "SELF-DIAG [PAST]" or TROUBLE DIAG RECORD )

Diagnostic item		Explanation	Repair order "Recheck SRS at each replacement"
NO DTC IS DETECTED.	When malfunction is in-	Low battery voltage (Less than 9V)	_
	dicated by the "AIR BAG" warning lamp in User mode.	<ul> <li>Self-diagnostic results "SELF-DIAG [PAST]" (previously stored in the memory) might not be erased after repair.</li> <li>Intermittent malfunction has been detected in the past.</li> </ul>	Go to SRS-21, "CONSULT-III Function".
	No malfunction is determined to the second sec	ected.	_
CONTROL UNIT [B1001-B1015]	Diagnosis sensor unit is malfunctioning.		Replace diagnosis sensor unit.
OCCUPANT SENS C/U [UNIT FAIL] [B1017] [B1020] [B1021]	Trouble occurs in Occupant Classification System-CU.		Replace passenger side seat cushion assembly.
OCCUPANT SENS [UNIT FAIL] [B1018]	Trouble occurs in Occ	upant Classification System-SENS.	Replace passenger side seat cushion assembly.

# < SERVICE INFORMATION >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"	/
BELT TENSION SENS UNIT FAIL] B1019]	Belt tension sensor circuit between belt tension sensor and occupant classification system control unit, or diagnosis sensor unit is malfunctioning.	<ol> <li>Visually check the wiring harness connection.</li> <li>Replace the harness if it has visible damage.</li> <li>Replace front seat belt (passenger side) assembly.</li> <li>Replace front passenger seat cushion/occupant classification</li> </ol>	[
DCCUPANT SENS C/U COMM FAIL] B1022]	Trouble occurs in Occupant Classification System-CU, circuit of Occupant Classification System-CU—Diagnosis Sensor Unit or Diagnosis Sensor Unit.	system control unit assembly.  1. Visually check the wiring harness connection.  2. Replace the harness if it has visible damage.  3. Replace passenger side seat cushion assembly.  4. Replace the diagnosis sensor	[
PASS A/B INDCTR CKT B1023]	Cutoff telltale circuit is open or shorted to grand or the circuits are shorted each other.	unit.  1. Visually check the wiring harness connection.  2. Replace the harness if it has visible damage.  3. Replace cutoff telltale.  4. Replace the diagnosis sensor unit.	(
CONTROL UNIT B1026-B1031]	Diagnosis sensor unit is malfunctioning.	Replace diagnosis sensor unit.	SI
CRASH ZONE SEN UNIT FAIL] B1033] B1034] CRASH ZONE SEN COMM FAIL] B1035] CRASH ZONE SEN UNMATCH] B1036]	Crash zone sensor	Visually check the wiring harness connection.     Replace the harness if it has visible damage.     Replace the crash zone sensor.     Replace the diagnosis sensor unit.	ŀ
OPEN/UPR-VB- SHORT] B1038]			
SHORT/UPR-GND- HORT] 31040]			I
CONTROL UNIT B1042-B1047]	Diagnosis sensor unit is malfunctioning.	Replace diagnosis sensor unit.	ı

Revision: 2009 Novemver SRS-25 2009 M35/M45

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# < SERVICE INFORMATION >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
DRIVER AIRBAG MOD- ULE [OPEN] [B1049] [B1054]	Driver air bag module circuit is open (including the spiral cable).	<ol> <li>Visually check the wiring harness connection.</li> <li>Replace the harness if it has visible damage.</li> </ol>
DRIVER AIRBAG MOD- ULE [VB-SHORT] [B1050] [B1055]	Driver air bag module circuit is shorted to a power supply circuit (including the spiral cable).	<ol> <li>Replace driver air bag module.</li> <li>Replace the spiral cable.</li> <li>Replace the diagnosis sensor unit.</li> </ol>
DRIVER AIRBAG MOD- ULE [GND-SHORT] [B1051] [B1056]	Driver air bag module circuit is shorted to ground (including the spiral cable).	
DRIVER AIRBAG MOD- ULE [SHORT] [B1052] [B1057]	Driver air bag module circuit is shorted between lines.	
CONTROL UNIT [B1058-B1063]	Diagnosis sensor unit is malfunctioning.	Replace diagnosis sensor unit.
ASSIST A/B MODULE [VB-SHORT] [B1065] [B1070]	Front passenger air bag module circuit is shorted to a power supply circuit.	Visually check the wiring harness connection.     Replace the harness if it has visi-
ASSIST A/B MODULE [OPEN] [B1066] [B1071]	Front passenger air bag module circuit is open.	<ul> <li>ble damage.</li> <li>Replace front passenger air bag module.</li> <li>Replace the diagnosis sensor</li> </ul>
ASSIST A/B MODULE [GND-SHORT] [B1067] [B1072]	Front passenger air bag module circuit is shorted to ground.	unit.
ASSIST A/B MODULE [SHORT] [B1068] [B1073]	Front passenger air bag module circuit is shorted between lines.	
CONTROL UNIT [B1074-B1079]	Diagnosis sensor unit is malfunctioning.	Replace diagnosis sensor unit.
PRE-TEN FRONT RH [OPEN] [B1081]	Front RH pre-tensioner circuit is shorted to a power supply circuit.	Visually check the wiring harness connections.     Replace the harness if it has visi-
PRE-TEN FRONT RH [VB-SHORT] [B1082]	Front RH pre-tensioner is shorted to a power supply circuit.	ble damage. 3. Replace front RH seat belt. 4. Replace the diagnosis sensor unit.
PRE-TEN FRONT RH [GND-SHORT] [B1083]	Front RH pre-tensioner circuit is shorted to ground.	
PRE-TEN FRONT RH [SHORT] [B1084]	Front RH pre-tensioner circuit is shorted between lines.	

# < SERVICE INFORMATION >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
PRE-TEN FRONT LH [OPEN] [B1086] PRE-TEN FRONT LH [VB-SHORT] [B1087] PRE-TEN FRONT LH [GND-SHORT] [B1088]	<ul> <li>Front LH pre-tensioner circuit is open.</li> <li>Front LH pre-tensioner circuit is shorted to a power supply circuit.</li> <li>Front LH pre-tensioner circuit is shorted to ground.</li> </ul>	Visually check the wiring harness connections.     Replace the harness if it has visible damage.     Replace front LH seat belt.     Replace the diagnosis sensor unit.
PRE-TEN FRONT LH [SHORT] [B1089]	Front LH pre-tensioner circuit is shorted between lines.	
CONTROL UNIT [B1106-B1111]	Diagnosis sensor unit is malfunctioning.	Replace diagnosis sensor unit.
SATELLITE SENS RH [UNIT FAIL] [B1113] [B1114] SATELLITE SENS RH [COMM FAIL] [B1115] SATELLITE SENS RH [UNMATCH] [B1116]	RH side air bag (Satellite) sensor	<ol> <li>Visually check the wiring harness connection.</li> <li>Replace the harness if it has visible damage.</li> <li>Replace the RH side air bag (Satellite) sensor.</li> <li>Replace the diagnosis sensor unit.</li> </ol>
SATELLITE SENS LH UNIT FAIL] B1118] B1119] SATELLITE SENS LH COMM FAIL] B1120] SATELLITE SENS LH UNMATCH] B1121]	LH side air bag (Satellite) sensor	<ol> <li>Visually check the wiring harness connection.</li> <li>Replace the harness if it has visible damage.</li> <li>Replace the LH side air bag (Satellite) sensor.</li> <li>Replace the diagnosis sensor unit.</li> </ol>
CONTROL UNIT [B1122-B1127]	Diagnosis sensor unit is malfunctioning.	Replace diagnosis sensor unit.
SIDE MODULE RH OPEN] B1129]	Front RH side air bag module circuit is open.	<ol> <li>Visually check the wiring harness connection.</li> <li>Replace the harness if it has visi-</li> </ol>
SIDE MODULE RH VB-SHORT] B1130]	Front RH side air bag module circuit is shorted to some power supply circuit.	ble damage.  3. Replace front RH setback assembly (front RH side air bag module).
SIDE MODULE RH GND-SHORT] B1131]	Front RH side air bag module circuit is shorted to ground.	Replace the diagnosis sensor unit.
SIDE MODULE RH [SHORT] [B1132]	Front RH side air bag module circuit is shorted between lines.	

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# < SERVICE INFORMATION >

Diagnostic item	Explanation	Repair order "Recheck SRS at each replacement"
SIDE MODULE LH [OPEN] [B1134]	Front LH side air bag module circuit is open.	Visually check the wiring harness connection.     Replace the harness if it has visi-
SIDE MODULE LH [VB-SHORT] [B1135]	Front LH side air bag module circuit is shorted to a power supply circuit.	ble damage. 3. Replace front LH setback assembly (front LH side air bag module). 4. Replace the diagnosis sensor
SIDE MODULE LH [GND-SHORT] [B1136]	Front LH side air bag module circuit is shorted to ground.	unit.
SIDE MODULE LH [SHORT] [B1137]	Front LH side air bag module circuit is shorted between lines.	
CONTROL UNIT [B1138-B1143]	Diagnosis sensor unit is malfunctioning.	Replace diagnosis sensor unit.
CURTAIN MODULE RH [OPEN] [B1145]	RH side curtain air bag module circuit is open.	Visually check the wiring harness connection.     Replace the harness if it has visi-
CURTAIN MODULE RH [VB-SHORT] [B1146]	RH side curtain air bag module circuit is shorted to a power supply circuit.	ble damage. 3. Replace RH side curtain air bag module. 4. Replace the diagnosis sensor
CURTAIN MODULE RH [GND-SHORT] [B1147]	RH side curtain air bag module circuit is shorted to ground.	unit.
CURTAIN MODULE RH [SHORT] [B1148]	RH side curtain air bag module circuit is shorted between lines.	
CURTAIN MODULE LH [OPEN] [B1150]	LH side curtain air bag module circuit is open.	<ol> <li>Visually check the wiring harness connection.</li> <li>Replace the harness if it has visi-</li> </ol>
CURTAIN MODULE LH [VB-SHORT] [B1151]	LH side curtain air bag module circuit is shorted to some power supply circuits.	ble damage.  Replace LH side curtain air bag module.  Replace the diagnosis sensor
CURTAIN MODULE LH [GND-SHORT] [B1152]	LH side curtain air bag module circuit is shorted to ground.	unit.
CURTAIN MODULE LH [SHORT] [B1153]	LH side curtain air bag module circuit is shorted between lines.	
CONTROL UNIT [B1202-B1207]	Diagnosis sensor unit is malfunctioning.	Replace the diagnosis sensor unit.
FRONTAL COLLISION DETECTION [B1209]	Seat belt pre-tensioner and front air bag are deployed.	Go to SRS-48, "FOR FRONTAL COL- LISION: When SRS is activated in a collision".
SIDE COLLISION DE- TECTION [B1210]	Side air bag and curtain air bag is deployed.	Go to SRS-50, "FOR SIDE AND ROLL- OVER COLLISION: When SRS is acti- vated in a collision".

### NOTE

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

# Trouble Diagnosis without CONSULT-III

INFOID:0000000004158329

# DIAGNOSTIC PROCEDURE

### < SERVICE INFORMATION >

Inspecting SRS Malfunctioning Parts by Using "AIR BAG" Warning Lamp — Diagnosis Mode **NOTE:** 

SRS will not enter Diagnosis mode if no malfunction is detected in User mode.

- 1. Turn ignition switch ON.
- 2. After "AIR BAG" warning lamp lights for 7 seconds, turn ignition switch OFF within 1 second.
- 3. Wait more than 3 seconds.
- 4. Repeat the steps 1 to 3 two times.
- 5. Turn ignition switch ON.

SRS is now in Diagnosis mode.

"AIR BAG" warning lamp operates in Diagnosis mode as follows:

# WARNING LAMP FLASH CODE CHART

<Diagnosis results (previously stored in the memory) might not be erased after repair or intermittent malfunctions have been detected in the past.>

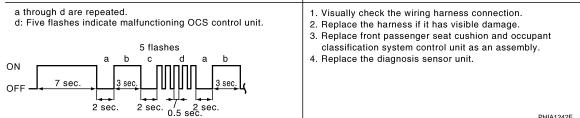
Flash pattern	Repair order
a through b are repeated.  IGN ON ON OFF 7 sec. 2 sec. 2 sec.	Erase memory. (Once key switch is turned from OFF to ON, TROUBLE DIAG RECORD will be erased.)

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SHIA0028E

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

<Occupant classification system>
Flash pattern
a through d are repeated.
d: Five flashes indicate malfunctioning OCS control unit.
2 Replace the harness if it has visible damage.



Flash pattern  a through d are repeated. d: Eleven flashes indicate malfunctioning front passenger air bag off indicator.  1. Visually check the wiring harness connection. 2. Replace the harness if it has visible damage. 3. Replace front passenger air bag off indicator unit. 4. Replace the diagnosis sensor unit. 5. Replace the related harness.	<front air="" bag="" indicator="" off="" passenger=""></front>	
d: Eleven flashes indicate malfunctioning front passenger air bag off indicator.  11 flashes ON  7 sec  3 sec  2. Replace the harness if it has visible damage. 3. Replace front passenger air bag off indicator unit. 4. Replace the diagnosis sensor unit. 5. Replace the related harness.	Flash pattern	Repair order
2 sec. 2 sec. / 2 sec. 2 sec.	d: Eleven flashes indicate malfunctioning front passenger air bag off indicator.  ON  OFF  7 sec.  2 sec.  2 sec.	Replace the harness if it has visible damage.     Replace front passenger air bag off indicator unit.     Replace the diagnosis sensor unit.

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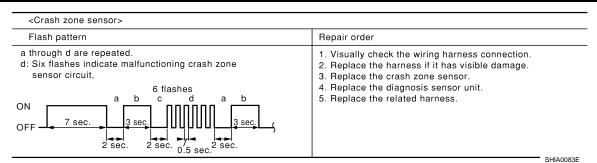
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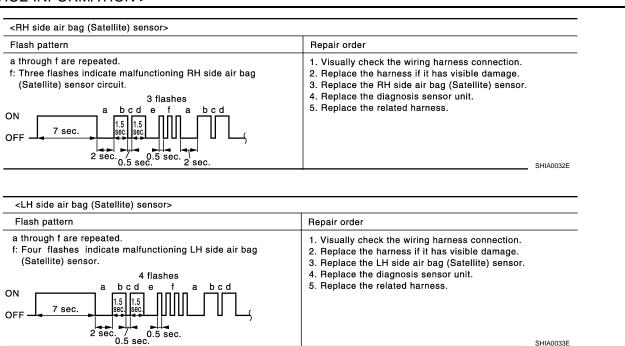


Repair order
Visually check the wiring harness connection.     Replace the harness if it has visible damage.     Replace the spiral cable.     Replace the related harness.

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

<front belt="" pre-tensioner="" rh="" seat=""></front>	
Flash pattern	Repair order
a through d are repeated. d: One flash indicates malfunctioning front RH seat belt pre-tensioner circuit.	<ol> <li>Visually check the wiring harness connections.</li> <li>Replace the harness if it has visible damage.</li> <li>Replace the related harness.</li> </ol>
ON 7 sec. 3 sec. 2 sec. 2 sec. 2 sec.	
2 sec. →H 2 sec. 0.5 sec.	PHIA1235E

<front belt="" lh="" pre-tensioner="" seat=""></front>	
Flash pattern	Repair order
a through d are repeated. d: Three flashes indicate malfunctioning front LH seat belt pre-tensioner circuit.  ON  7 sec.  2 sec.  2 sec.  2 sec.  2 sec.  2 sec.  2 sec.	Visually check the wiring harness connections.     Replace the harness if it has visible damage.     Replace the related harness.
0.5 sec.	PHIA1236E



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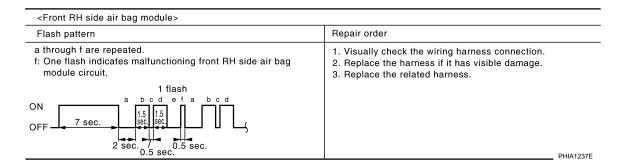
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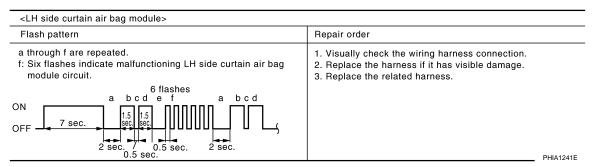
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<front air="" bag="" lh="" module="" side=""></front>		
Flash pattern	Repair order	
a through f are repeated. f: Two flashes indicate malfunctioning front LH side air bag module circuit.  2 flashes ON 7 sec. 0 sec. 0 sec. 0 sec. 0 sec. 0 sec.	Visually check the wiring harness connection.     Replace the harness if it has visible damage.     Replace the related harness.	
2 sec. / 0.5 sec. \ 0.5 sec. 2 sec.		PHIA1238E

<rh air="" bag="" curtain="" module="" side=""></rh>		
Flash pattern	Repair order	<u> </u>
a through f are repeated. f: Five flashes indicate malfunctioning RH side curtain air bag module circuit.  5 flashes  ON  OFF  7 sec.  7 sec.  7 sec.	Visually check the wiring harness connection.     Replace the harness if it has visible damage.     Replace the related harness.	
2 sec. / 0.5 sec. 2 sec. 0.5 sec.		PHIA1240E

**SRS-31** Revision: 2009 Novemver 2009 M35/M45



# Trouble Diagnosis: "AIR BAG" Warning Lamp Does Not Turn OFF

INFOID:0000000004158330

### DIAGNOSTIC PROCEDURE

# 1. CHECK FRONT AIR BAG MODULE

Check the deployment of front air bag module.

# Is air bag module deployed?

YES >> Refer to <u>SRS-48</u>, "FOR FRONTAL COLLISION: When SRS is activated in a collision" or <u>SRS-50</u>, "FOR SIDE AND ROLLOVER COLLISION: When SRS is activated in a collision".

NO >> GO TO 2.

# 2.CHECK AIR BAG FUSE

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

Refer to PG-18, "Fuse".

### Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 3.

# 3. CHECK AIR BAG FUSE AGAIN

Replace air bag fuse and turn ignition switch ON.

### Did the air bag fuse blow again?

YES >> Repair or replace main harness.

NO >> INSPECTION END

# 4. CHECK DIAGNOSIS SENSOR UNIT

Check the screen of CONSULT-III.

### Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace diagnosis sensor unit.

# 5. CHECK HARNESS CONNECTION

Check harness connection between warning lamp and diagnosis sensor unit.

### Is the inspection result normal?

YES >> Check the intermittent incident.

NO >> Replace wiring harness connector.

# Trouble Diagnosis: "AIR BAG" Warning Lamp Does Not Turn ON

INFOID:0000000004158331

### DIAGNOSTIC PROCEDURE

# 1. CHECK METER FUSE

Check the meter fuse. Refer to PG-18, "Fuse".

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

YES >> GO TO 3.

NO >> GO TO 2.

# 2.CHECK "METER" FUSE AGAIN

TROUBLE DIAGNOSIS	
< SERVICE INFORMATION >	
Replace 10A fuse [No.14, located in fuse block (J/B)] and turn ignition switch ON.	_
Does the meter fuse blow again?	Α
YES >> Repair or replace the related harness. NO >> INSPECTION END	
3. CHECK HARNESS CONNECTION BETWEEN DIAGNOSIS SENSOR UNIT AND COMBINATION METE	R B
Disconnect diagnosis sensor unit connector and turn ignition switch ON.	_
Does air bag warning lamp turn ON?	С
YES >> Replace diagnosis sensor unit. NO >> Replace combination meter assembly.	
Trouble Diagnosis: Passenger Seat belt Warning System	332 D
1.HECK THE SYSTEM 1	_
Check seat belt warning lamp function.	_ E
Seat belt warning lamp turns ON in the following conditions.  • Driver seat belt is fastened.  • Occupant is on passenger seat.  • Passenger seat belt is not fasten.	F
1 assenger seat bett is not fasteri.	G
Is the inspection result normal?	
YES >> GO TO 2.	SR
<ul> <li>NO &gt;&gt; Check the followings.</li> <li>Harness between air bag diagnosis sensor unit and combination meter.</li> </ul>	Ort
<ul> <li>Seat belt buckle switch (passenger side) circuit.</li> </ul>	
<ul> <li>Seat belt buckle switch (passenger side).</li> <li>If these are OK, replace air bag diagnosis sensor unit.</li> </ul>	- 1
in these are Ort, replace all bag diagnosis sensor unit.	
2.CHECK THE SYSTEM 2	J
Check seat belt warning lamp function.	_
Seat belt warning lamp turns OFF in the following conditions.	K
Driver seat belt is fastened.	
Occupant is on passenger seat.     Passenger seat belt is fastened.	ı
Passenger seat belt is fastened.	_
Is the inspection result normal?	
YES >> System is OK.	M
<ul><li>NO &gt;&gt; Check the followings.</li><li>Sea tbelt buckle switch (passenger side) circuit.</li></ul>	
Seat belt buckle switch (passenger side).	Ν
If these are OK, replace air bag diagnosis sensor unit.	
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# DRIVER AIR BAG MODULE

# Removal and Installation

- 1. Driver air bag module
- 4. Spring
- 7. Side lid (LH/RH)

- 2. Steering switch
- 5. Bracket
- 8. TORX bolt (LH/RH)
- Screw
- Screw

Refer to GI-9, "Component" for symbols in the figure.

### **WARNING:**

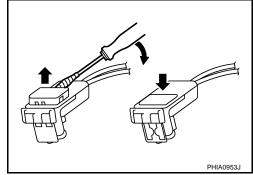
- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more.
- Always work from the side of air bag module. Never work from the front of it.
- Never use air tools or electric tools for servicing.

### REMOVAL

- 1. Remove the side lids (LH/RH).
- 2. Remove the TORX bolt (LH/RH) from the steering wheel lower side using TORX bit.
- 3. Pull out the driver air bag module.
- 4. Disconnect the driver air bag harness connector.

### **CAUTION:**

- For installing/removing driver air bag harness connector, insert thin screwdriver wrapped in tape into notch, lift lock and remove connector.
- Install connector with lock raised, and push lock into connector.
- After installing the connector, check that the lock is pushed securely into it.



INFOID:0000000004158333

5. Remove the screws then remove the steering switch.

### **CAUTION:**

Always place the driver air bag module with pad side facing upward.

# DRIVER AIR BAG MODULE

### < SERVICE INFORMATION >

- Never impact the driver air bag module.
- Replace the driver air bag module if it has been dropped or sustained an impact.



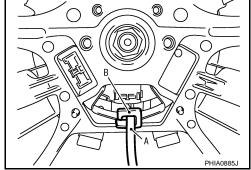
- Never insert any foreign objects (screwdriver, etc.) into driver air bag module.
- Never disassemble the driver air bag module.
- Never expose the driver air bag module to temperatures exceeding 90°C (194 °F).
- Never allow oil, grease, detergent, or water to come in contact with the driver air bag module.

### **INSTALLATION**

Install in the reverse order of removal.

### **CAUTION:**

- Never use the old TORX bolts after removal, replace with the new bolts.
- Fix the air bag module harness (shown as A in the figure) to the harness fixing hook (shown as B in the figure).



- Never damage the harness while installing.
- Tighten the TORX bolts after completely adjusting the centers of fixing holes on the driver air bag module side and the steering wheel side. If the holes are misaligned, the bolt threads are damaged and the module is not installed securely.
- If malfunction is detected by the air bag warning lamp, after repair or replacement of the malfunctioning parts, reset the memory using self-diagnosis or CONSULT-III. Refer to <u>SRS-21</u>, "CONSULT-III Function".
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.

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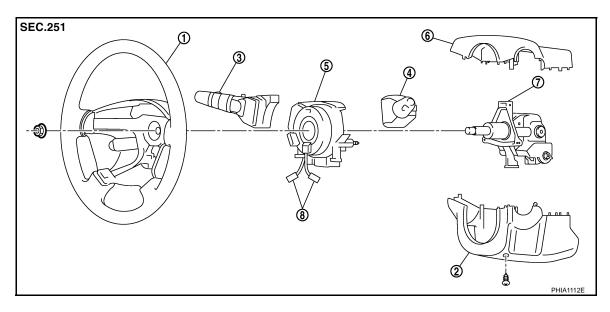
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# SPIRAL CABLE

# Removal and Installation

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- 1. Steering wheel
- 4. Wiper washer switch
- 7. Steering column assembly
- 2. Steering column cover (lower)
- 5. Spiral cable
- 8. Driver air bag harness connectors
- 3. Light and turn signal switch
- 6. Steering column cover (upper)

### **WARNING:**

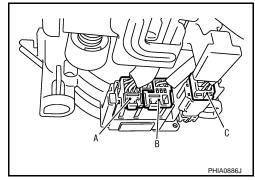
- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more.
- · Never use the air tools or electric tools for servicing.

### REMOVAL

- Remove the air bag module. Refer to SRS-34, "Removal and Installation".
- Remove the steering wheel. Refer to <u>PS-10</u>, "Removal and Installation".
- 3. Remove the steering column cover (upper/lower).
- 4. Remove the wiper washer switch, then remove light and turn signal switch from the spiral cable.
- 5. Disconnect the horn switch connector (shown as A in the figure).
- 6. Disconnect the spiral cable connector (shown as B in the figure).
- 7. Loosen the spiral cable fixing screws.
- 8. Shift the spiral cable forward a bit while pushing the pawl located above the spiral cable.
- 9. Disconnect the steering wheel switch connector (shown as C in the figure).

### NOTĚ:

Disconnect the spiral cable connector after disconnecting the horn switch connector.



10. Remove the spiral cable.

### **CAUTION:**

## SPIRAL CABLE

### < SERVICE INFORMATION >

- Never impact the spiral cable.
- Replace the spiral cable if it has been dropped or sustained an impact.



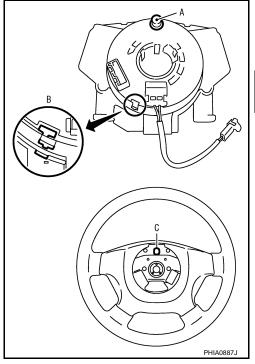
- Never disassemble the spiral cable.
- Never apply lubricant to the spiral cable.
- Never arrow oil, grease, detergent, or water to come in contact with the spiral cable.

### INSTALLATION

Install in the reverse order of removal.

### **CAUTION:**

- The spiral cable may snap by steering operation if the cable is installed in an improper position.
- The neutral position is set as follows.
- Turn quietly the spiral cable clockwise to the end position. Then turn it counterclockwise (about 2 and half turns) and stop turning at the point on which the stopper insertion holes are in the same position.
- The service part is installed in the neutral position by the stopper and can be set without adjusting after the stopper is removed.
- Never turn the spiral cable rashly and also beyond the limit number of turns. (These will cause cable snap.)
- Adjust the spiral cable locating pin (showed as A in the figure) to the steering wheel locating pin hole (showed as C in the figure).
- Secure the air bag harness with the harness fixing hook.



- If malfunction is detected by the air bag warning lamp, after repair or replacement of the malfunctioning parts, reset the memory using self-diagnosis or CONSULT-III. Refer to <a href="SRS-21">SRS-21</a>, "CONSULT-III Function".
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.

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## FRONT PASSENGER AIR BAG MODULE

< SERVICE INFORMATION >

# FRONT PASSENGER AIR BAG MODULE

## Removal and Installation

#### INFOID:0000000004158335

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more.
- Always work from the side of air bag module. Never work from the front of it.
- Never use the air tools or electric tools for servicing.

### **REMOVAL**

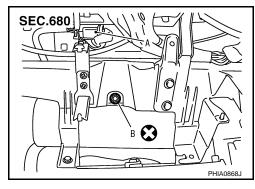
1. Remove the instrument panel assembly. Refer to <u>IP-13, "INSTRUMENT PANEL: Removal and Installation"</u>.

### NOTE:

The figure shows installed condition of the front passenger air bag module. (Under view of the module installed without glove box cover.)

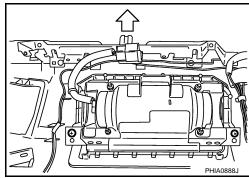
(A) : Passenger air bag module connector

(B) : Passenger air bag module fixing bolt



- 2. Remove the front passenger air bag module fixing screws.
- 3. Remove the air bag from the rear side hook.

⟨□ : Vehicle front



4. Remove the front passenger air bag module from the instrument panel pad assemblies.

## **CAUTION:**

- · Always place the front passenger air bag module with pad side facing upward.
- Never impact the front passenger air bag module.
- Replace the front passenger air bag module if it has been dropped or sustained an impact.



- Never insert any foreign objects (screwdriver, etc.) into passenger air bag module.
- Never disassemble the passenger air bag module.
- Never expose the passenger air bag module to temperatures exceeding 90°C (194 °F).
- Never allow oil, grease, detergent, or water to come in contact with the passenger air bag module.

## FRONT PASSENGER AIR BAG MODULE

### < SERVICE INFORMATION >

### **INSTALLATION**

Install in the reverse order of removal.

### **CAUTION:**

• Never use the old fixing bolts after removal, replace with the new bolts.

Fixing bolt : 24.5 N·m (2.5 kg-m, 18.1 ft-lb)

- Never damage the harness while installing.
- If malfunction is detected by the air bag warning lamp, after repair or replacement of the malfunctioning parts, reset the memory using self-diagnosis or CONSULT-III. Refer to <a href="SRS-21">SRS-21</a>, "CONSULT-III Function".
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.

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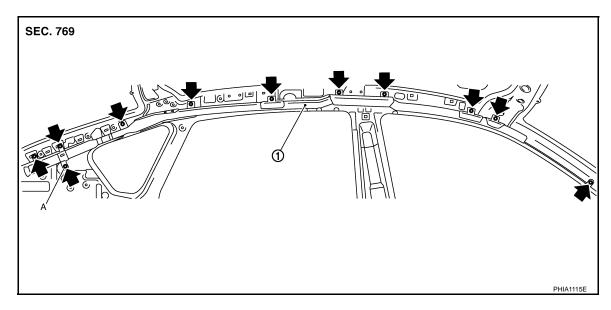
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## SIDE CURTAIN AIR BAG MODULE

# Removal and Installation

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1. Side curtain air bag module

A Ground bolt

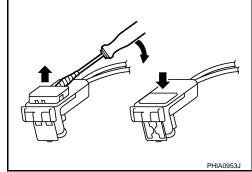
= : Bolt

## **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more.
- · Never use air tools or electric tools for servicing.

### **REMOVAL**

- 1. Remove the curtain air bag module.
  - Remove the headlining. Refer to EI-63, "Removal and Installation".
  - Remove the side curtain air bag module connector.
     CAUTION:
    - For installing / removing side curtain air bag harness connector, insert thin screwdriver wrapped in tape into notch, lift lock and remove connector.
    - Install connector with lock raised, and push lock into connector.
    - After installing the connector, make sure that the lock is pushed securely into it.



Remove the curtain air bag module fixing bolts, and then remove the ground bolt.

Fixing bolt : 10.8 N⋅m (1.1 kg-m, 8 ft-lb)

Ground bolt : 10.8 N·m (1.1 kg-m, 8 ft-lb)

### **CAUTION:**

• Leave the curtain air bag module with air bag deployment side facing upward.

## SIDE CURTAIN AIR BAG MODULE

### < SERVICE INFORMATION >

- Never impact the side curtain air bag module.
- Replace the side curtain air bag module if it has been dropped or sustained an impact.



- Never insert any foreign objects (screwdriver, etc.) into side curtain air bag module.
- Never disassemble side curtain air bag module.
- Never expose the side curtain air bag module to temperatures exceeding 90 °C (194 °F).
- Never allow oil, grease, detergent, or water to come in contact with the side curtain air bag module.

### **INSTALLATION**

Install in the reverse order of removal.

### **CAUTION:**

- · Never damage the harness while installing.
- If malfunction is detected by the air bag warning lamp, after repair or replacement of the malfunctioning parts, reset the memory using self-diagnosis or CONSULT-III. Refer to SRS-21, "CONSULT-III Function".
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.

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## CRASH ZONE SENSOR

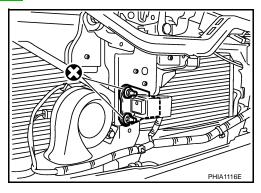
## Removal and Installation

### **WARNING:**

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more.
- Never use the air tools or electric tools for servicing.

### **REMOVAL**

- 1. Remove the front grille. Refer to EI-28, "Component Parts Location".
- 2. Remove the crash zone sensor fixing nuts.



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- 3. Disconnect the crash zone sensor harness connector.
- 4. Remove the crash zone sensor.

### **CAUTION:**

- Never impact the crash zone sensor.
- Replace the crash zone sensor if it has been dropped or sustained an impact.



 Replace the crash zone sensor of deployed SRS driver air bag and deployed SRS front passenger air bag.

### INSTALLATION

Install in the reverse order of removal.

### **CAUTION:**

Never use the old fixing nuts after removal, replace with the new nuts.



- · Never damage the harness while installing.
- If malfunction is detected by the air bag warning lamp, after repair or replacement of the malfunctioning parts, reset the memory using self-diagnosis or CONSULT-III. Refer to <a href="SRS-21">SRS-21</a>, "CONSULT-III Function".
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.

# SIDE AIR BAG (SATELLITE) SENSOR

### < SERVICE INFORMATION >

# SIDE AIR BAG (SATELLITE) SENSOR

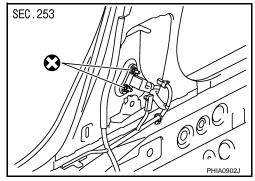
### Removal and Installation

## WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more.
- Never use the air tools or electric tools for servicing.

### **REMOVAL**

- 1. Remove front seat belt retractor. Refer to SB-27, "Removal and Installation of Front Seat Belt".
- 2. Remove side air bag (Satellite) sensor fixing nuts.
- Disconnect the side air bag (Satellite) sensor harness connector.



4. Remove the side air bag (Satellite) sensor.

### CAUTION.

- Never impact the side air bag (satellite) sensor.
- Replace the side air bag (satellite) sensor if it has been dropped or sustained an impact.



 Replace the side air bag (satellite) sensor of deployed SRS front side air bag and deployed SRS side curtain air bag.

### INSTALLATION

Install in the reverse order of removal.

### **CAUTION:**

- Never use the old fixing nuts after removal, replace with the new nuts.
  - Fixing nut : 10.8 N·m (1.1 kg-m, 8 ft-lb)
- Never damage the harness while installing.
- If malfunction is detected by the air bag warning lamp, after repair or replacement of the malfunctioning parts, reset the memory using self-diagnosis or CONSULT-III. Refer to <u>SRS-21</u>, "CONSULT-III Function".
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.

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# FRONT SEAT BELT PRE-TENSIONER

# < SERVICE INFORMATION >

# FRONT SEAT BELT PRE-TENSIONER

# Removal and Installation

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For removal and installation procedures, refer to SB-27, "Removal and Installation of Front Seat Belt".

# **DIAGNOSIS SENSOR UNIT**

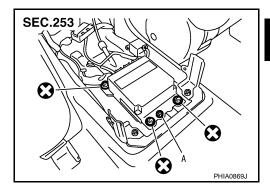
## Removal and Installation

# WARNING:

- Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more.
- Before disconnecting the air bag sensor unit harness connector, be sure to disconnect the each harness connector of the air bag module and pre-tensioner seat belt to prevent air bag deployment by static electricity and pre-tensioner seat belt operation.
- Never use the air tools or electric tools for servicing.
- When replacing the air bag diagnosis sensor unit, always check with the parts department for the latest parts information. Installing an incorrect air bag diagnosis sensor unit may or may not cause the air bag warning lamp to illuminate and may cause incorrect deployment of the supplemental air bags and seat belt pre-tensioners in a collision resulting in serious personal injury or death.

### REMOVAL

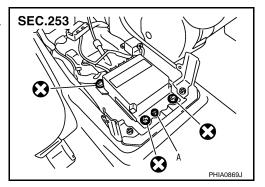
- 1. Always check the air bag diagnosis sensor unit ECU discriminated number (identification number) using CONSULT-III.
- 2. Disconnect the each connectors of all air bag modules and pre-tensioner seat belts.
- Remove the center console assembly. Refer to <u>IP-13</u>, "INSTRUMENT PANEL: Removal and Installation".
- 4. Disconnect the diagnosis sensor unit harness connectors.
- 5. Remove the diagnosis sensor unit fixing bolts.



Remove the diagnosis sensor unit.

### **CAUTION:**

- Never impact the diagnosis sensor unit.
- Replace the diagnosis sensor unit if it has been dropped or sustained an impact.



 Replace the diagnosis sensor unit of deployed SRS air bag and deployed SRS front seat belt pre-tensioner.

### INSTALLATION

Install air bag diagnosis sensor unit in the reverse order of removal.

### **CAUTION:**

Never use the old fixing bolts after removal, replace with the new bolts.

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## **DIAGNOSIS SENSOR UNIT**

### < SERVICE INFORMATION >

☐ Hex bolts : 24.5 N·m (2.5 kg-m, 18 ft-lb)☐ Ground bolt : 6.9 N·m (0.7kg-m, 61 in-lb)

- Never damage the harness while installing.
- If malfunction is detected by the air bag warning lamp, after repair or replacement of the malfunctioning parts, reset the memory using self-diagnosis or CONSULT-III. Refer to <a href="SRS-21">SRS-21</a>, "CONSULT-III Function".
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.
- After replacing the air bag diagnosis sensor unit, confirm using CONSULT-III that the ECU discriminated number (identification number) of the new replacement air bag sensor unit matches the ECU discriminated number (identification number) of the replaced (old) air bag diagnosis sensor unit.

#### NOTE:

If the ECU discriminated number of the new replacement air bag diagnosis sensor unit differs from the ECU discriminated number of the replaced air bag diagnosis sensor unit, reconfirm the parts information and verify that the correct air bag diagnosis sensor unit was installed.

## OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< SERVICE INFORMATION >

# OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

# Removal and Installation

The occupant classification system control unit, seat pressure sensor, and bladder are an integral part of the front passenger seat cushion and are replaced as an assembly. Refer to <u>SE-146. "Passenger's Seat Component"</u>.

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### < SERVICE INFORMATION >

# COLLISION DIAGNOSIS FOR FRONTAL COLLISION

FOR FRONTAL COLLISION: When SRS is activated in a collision

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### **CAUTION:**

Due to varying models and option levels, not all parts listed in the chart below apply to all vehicles.

### WORK PROCEDURE

- 1. Before performing any of the following steps, ensure that all vehicle body and structural repairs have been completed.
- 2. Replace the diagnosis sensor unit.
- 3. Remove the front air bag modules, crash zone sensor, bracket and seat belt pre-tensioner assemblies.
- 4. Check the SRS components using the table below: Replace any SRS components showing visible signs of damage. (dents, cracks and deformation, etc.)
- 5. Install new front air bag modules, crash zone sensor assembly, bracket and seat belt pre-tensioner assemblies.
- 6. Perform self-diagnosis using CONSULT-III or air bag warning lamp. Refer to <u>SRS-21</u>, "<u>CONSULT-III Function</u>" or <u>SRS-22</u>, "<u>Self-Diagnosis Function</u> (<u>Without CONSULT-III)</u>" for details. Ensure entire SRS operates properly.
- 7. After the work is completed, perform self-diagnosis to check that no malfunction is detected. Refer to SRS-23, "SRS Operation Check (USER MODE)".

## SRS INSPECTION (FOR FRONTAL COLLISION)

Part	Inspection
Driver air bag module	If the driver air bag has deployed: REPLACE Install with new fasteners.
Front passenger air bag module (if equipped)	If the front passenger air bag has deployed: REPLACE Install with new fasteners.
Crash zone sensor	If any of the front air bags or seat belt pre-tensioners* have been activated: REPLACE the crash zone sensor and bracket with new fasteners. *: Confirm seat belt pre-tensioner activation using CONSULT-III only.
Seat belt pre-tensioner assemblies (All applicable locations: buckle, retractor, lap outer)	If either the driver or passenger seat belt pre-tensioner* has been activated: REPLACE all seat belt pre-tensioner assemblies with new fasteners. *: Confirm seat belt pre-tensioner activation using CONSULT-III only.
Diagnosis sensor unit	If any of the SRS components have been activated: REPLACE the diagnosis sensor unit. Install with new fasteners.
Steering wheel	<ol> <li>Visually check steering wheel for deformities.</li> <li>Check harness (built into steering wheel) and connectors for damage, and terminals for deformities.</li> <li>Install driver air bag module into the steering wheel to check fit and alignment with the wheel.</li> <li>Check steering wheel for excessive free play.</li> <li>If no damage is found, reinstall.</li> <li>If damaged – REPLACE.</li> </ol>
Spiral cable	If the driver front air bag has deployed: REPLACE the spiral cable.
Occupant classification system (Passenger seat)	<ol> <li>Remove passenger seat assembly.</li> <li>Check control unit case for dents, cracks of deformities.</li> <li>Check connectors and pressure sensor tube for damage, and terminals for deformities.</li> <li>Check seat frame and cushion pan for dents or deformities.</li> <li>If no damage is found, reinstall seat with new fasteners.</li> <li>If damaged – REPLACE seat cushion assembly with new fasteners.</li> </ol>

### < SERVICE INFORMATION >

Part	Inspection
Harness and connectors	<ol> <li>Check connectors for poor connection, damage, and terminals for deformities.</li> <li>Check harness for binding, chafing, cuts, or deformities.</li> <li>If no damage is found, reinstall the harness and connectors.</li> <li>If damaged – REPLACE the damaged harness. Do not attempt to repair, splice or modify any SRS harness.</li> </ol>
Instrument panel assembly	If the front passenger air bag has deployed: REPLACE the instrument panel assembly. (integrated type)

## FOR FRONTAL COLLISION: When SRS is not activated in a collision

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### **CAUTION:**

Due to varying models and option levels, not all parts listed in the chart below apply to all vehicles.

## **WORK PROCEDURE**

- 1. Before performing any of the following steps, ensure that all vehicle body and structural repairs have been completed.
- Check the SRS components using the table below: Replace any SRS components showing visible signs of damage. (dents, cracks and deformation, etc.)
- Perform self-diagnosis using CONSULT-III or air bag warning lamp. Refer to <u>SRS-21</u>, "<u>CONSULT-III Function</u>" or <u>SRS-22</u>, "<u>Self-Diagnosis Function</u> (<u>Without CONSULT-III</u>)" for details. Ensure entire SRS operates properly.
- 4. After the work is completed, perform self-diagnosis to check that no malfunction is detected. Refer to SRS-23, "SRS Operation Check (USER MODE)".

## SRS INSPECTION (FOR FRONTAL COLLISION)

Part	Inspection
Driver air bag module	<ol> <li>If the driver air bag has NOT been deployed:</li> <li>Remove driver air bag module. Check harness cover and connectors for damage, terminals for deformities, and harness for binding.</li> <li>Install driver air bag module into the steering wheel to check fit and alignment with the wheel.</li> <li>If no damage is found, reinstall with new fasteners.</li> <li>If damaged – REPLACE. Install driver air bag module with new fasteners.</li> </ol>
Front passenger air bag module (if equipped)	<ol> <li>If the front passenger air bag has NOT been deployed:</li> <li>Remove front passenger air bag module. Check harness cover and connectors for damage, terminals for deformities, and harness for binding.</li> <li>Install front passenger air bag module into the instrument panel to check fit with the instrument panel.</li> <li>If no damage is found, reinstall with new fasteners.</li> <li>If damaged – REPLACE. Install front passenger air bag modules with new fasteners.</li> </ol>
Crash zone sensor	<ol> <li>If the front air bags or seat belt pre-tensioners have NOT been activated:</li> <li>Remove the crash zone sensor. Check harness connectors for damage, terminals for deformities, and harness for binding.</li> <li>Check for visible signs of damage (dents, cracks, deformation, etc.) of the crash zone sensor and bracket.</li> <li>Install the crash zone sensor to check fit.</li> <li>If no damage is found, reinstall with new fasteners.</li> <li>If damaged – REPLACE the crash zone sensor and bracket with new fasteners.</li> </ol>
Seat belt pre-tensioner assemblies (All applicable locations: buckle, retractor, lap outer)	<ol> <li>If the pre-tensioners have NOT been activated:</li> <li>Remove seat belt pre-tensioners.         Check harness cover and connectors for damage, terminals for deformities, and harness for binding.</li> <li>Check belts for damage and anchors for loose mounting.</li> <li>Check retractor for smooth operation.</li> <li>Check seat belt adjuster for damage.</li> <li>Check for deformities of the center pillar inner.</li> <li>If the center pillar inner has no damage, REPLACE the seat belt pre-tensioner assembly.</li> <li>If no damage is found, reinstall seat belt pre-tensioners with new fasteners.</li> </ol>

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Revision: 2009 Novemver SRS-49 2009 M35/M45

### < SERVICE INFORMATION >

Part	Inspection
Diagnosis sensor unit	If none of the SRS components have been activated:  1. Check case for dents, cracks or deformities.  2. Check connectors for damage, and terminals for deformities.  3. If no damage is found, reinstall with new fasteners.  4. If damaged – REPLACE. Install diagnosis sensor unit with new fasteners.
Steering wheel	<ol> <li>Visually check steering wheel for deformities.</li> <li>Check harness (built into steering wheel) and connectors for damage, and terminals for deformities.</li> <li>Install driver air bag module into the steering wheel to check fit and alignment with the wheel.</li> <li>Check steering wheel for excessive free play.</li> <li>If no damage is found, reinstall.</li> <li>If damaged – REPLACE.</li> </ol>
Spiral cable	If the driver front air bag has not deployed:  1. Visually check spiral cable and combination switch for damage.  2. Check connectors and protective tape for damage.  3. Check steering wheel for noise, binding or heavy operation.  4. If no damage is found, reinstall.  5. If damaged – REPLACE.
Occupant classification system (Passenger seat)	<ol> <li>Remove passenger seat assembly.</li> <li>Check control unit case for dents, cracks of deformities.</li> <li>Check connectors and pressure sensor tube for damage, and terminals for deformities.</li> <li>Check seat frame and cushion pan for dents or deformities.</li> <li>If no damage is found, reinstall seat with new fasteners.</li> <li>If damaged – REPLACE seat cushion assembly with new fasteners.</li> </ol>
Harness and connectors	<ol> <li>Check connectors for poor connection, damage, and terminals for deformities.</li> <li>Check harness for binding, chafing, cuts, or deformities.</li> <li>If no damage is found, reinstall the harness and connectors.</li> <li>If damaged – REPLACE the damaged harness. Do not attempt to repair, splice or modify any SRS harness.</li> </ol>
Instrument panel assembly	If the front passenger air bag has NOT deployed:  1. Visually check instrument panel assembly for damage.  2. If no damage is found, reinstall the instrument panel assembly.  3. If damaged – REPLACE the instrument panel assembly.

## FOR SIDE AND ROLLOVER COLLISION

## FOR SIDE AND ROLLOVER COLLISION: When SRS is activated in a collision

INFOID:0000000005895539

### **CAUTION:**

Due to varying models and option levels, not all parts listed in the chart below apply to all vehicles.

### **WORK PROCEDURE**

- 1. Before performing any of the following steps, ensure that all vehicle body and structural repairs have been completed.
- 2. Replace the following components:
  - Front seat back assembly (on the side on which side air bag is activated)
  - Door finisher (on the side on which door-mounted curtain air bag is activated)
  - Pop-up roll bar assemblies and pop-up roll bar covers
  - Side air bag (satellite) sensor LH/RH (on the side on which side air bag is activated)
  - · Diagnosis sensor unit
  - Seat belt pre-tensioner assemblies
- Check the SRS components and the related parts using the following table.
   Replace any SRS components and the related parts showing visible signs of damage. (dents, cracks, deformation, etc.)
- Perform self-diagnosis using CONSULT-III and "AIR BAG" warning lamp. Refer to <u>SRS-21, "CONSULT-III Function"</u> or <u>SRS-22, "Self-Diagnosis Function (Without CONSULT-III)"</u> for details. Make sure entire SRS operates properly.
- 5. After the work is completed, perform self-diagnosis to check that no malfunction is detected. Refer to SRS-23, "SRS Operation Check (USER MODE)".

### < SERVICE INFORMATION >

## SRS INSPECTION (FOR SIDE AND ROLLOVER COLLISION)

Part	Inspection
Side curtain air bag module LH	If the side curtain air bag LH has deployed: REPLACE the side curtain air bag module LH. Install with new fasteners.
Side curtain air bag module RH	If the side curtain air bag RH has deployed: REPLACE the side curtain air bag module RH. Install with new fasteners.
Front side air bag module LH	If the front side air bag LH has deployed: REPLACE front seatback assembly LH.
Front side air bag module RH	If the front side air bag RH has deployed: REPLACE front seatback assembly RH.
Side air bag (satellite) sensor (LH or RH)	If any of the SRS components have deployed: REPLACE the side air bag (satellite) sensor on the collision side with new fasteners.
Diagnosis sensor unit	If any of the SRS components have deployed: REPLACE the diagnosis sensor unit with new fasteners.
Seat belt pre-tensioner assemblies (All applicable locations: buckle, retractor, lap outer)	If either the driver or passenger seat belt pre-tensioner* has been activated: REPLACE all seat belt pre-tensioner assemblies with new fasteners. *: Confirm seat belt pre-tensioner activation using CONSULT-III only.
Center inner pillar	<ol> <li>Check the center inner pillar on the collision side for damage (dents, cracks, deformation, etc.).</li> <li>If damaged – REPAIR the center inner pillar.</li> </ol>
Trim/headlining	<ol> <li>Check for visible signs of damage (dents, cracks, deformation, etc.) of the interior trim on the collision side.</li> <li>If damaged – REPLACE the damaged trim parts.</li> </ol>
Door-mounted curtain air bag module LH	If the door-mounted curtain air bag module LH has deployed: REPLACE the door finisher LH and door-mounted curtain air bag module. Install with new fasteners.
Door-mounted curtain air bag module RH	If the door-mounted curtain air bag module RH has deployed: REPLACE the door finisher RH and door-mounted curtain air bag module. Install with new fasteners.
Pop-up roll bar assemblies	If the pop-up roll bar has deployed: REPLACE pop-up roll bar assemblies and pop-up roll bar covers. Install with new fasteners.

## FOR SIDE AND ROLLOVER COLLISION: When SRS is not activated in a collision

### **CAUTION:**

Due to varying models and option levels, not all parts listed in the chart below apply to all vehicles.

### **WORK PROCEDURE**

- 1. Before performing any of the following steps, ensure that all vehicle body and structural repairs have been completed.
- Check the SRS components and the related parts using the following table.
  - If the front seat back assembly is damaged, the front seat back assembly must be replaced.
  - If the door finisher assembly is damaged, the door finisher assembly and door-mounted curtain air bag module must be replaced.
- 3. Perform self-diagnosis using CONSULT-III and "AIR BAG" warning lamp. Refer to SRS-21, "CONSULT-III Function" or SRS-22, "Self-Diagnosis Function (Without CONSULT-III)" for details. Make sure entire SRS operates properly.
- 4. After the work is completed, perform self-diagnosis to check that no malfunction is detected. Refer to SRS-23, "SRS Operation Check (USER MODE)".

SRS INSPECTION (FOR SIDE AND ROLLOVER COLLISION)

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Part	Inspection
Side curtain air bag module LH	<ol> <li>If the side curtain air bag LH has NOT deployed:</li> <li>Check for visible signs of damage (dents, tears, deformation, etc.) of the center pillar on the collision side.</li> <li>If damaged – Remove the side curtain air bag module LH.</li> <li>Check for visible signs of damage (tears etc.) of the side curtain air bag module LH.</li> <li>Check harness and connectors for damage, and terminals for deformities.</li> <li>If no damage is found, reinstall the side curtain air bag module LH with new fasteners.</li> </ol>
Side curtain air bag module RH	<ol> <li>If damaged – REPLACE the side curtain air bag module LH with new fasteners.</li> <li>If the side curtain air bag RH has NOT deployed:         <ol> <li>Check for visible signs of damage (dents, tears, deformation, etc.) of the center pillar on the collision side.</li> <li>If damaged – Remove the side curtain air bag module RH.</li> <li>Check for visible signs of damage (tears etc.) of the side curtain air bag module RH.</li> <li>Check harness and connectors for damage, and terminals for deformities.</li> <li>If no damage is found, reinstall the side curtain air bag module RH with new fasteners.</li> </ol> </li> <li>If damaged – REPLACE the side curtain air bag module RH with new fasteners.</li> </ol>
Front side air bag module LH	<ol> <li>If the front side air bag LH has NOT deployed:</li> <li>Check for visible signs of damage (dents, tears, deformation, etc.) of the seat back on the collision side.</li> <li>Check harness and connectors for damage, and terminals for deformities.</li> <li>If damaged – REPLACE the front seatback assembly LH.</li> </ol>
Front side air bag module RH	<ol> <li>If the front side air bag RH has NOT deployed:</li> <li>Check for visible signs of damage (dents, tears, deformation, etc.) of the seat back on the collision side.</li> <li>Check harness and connectors for damage, and terminals for deformities.</li> <li>If damaged – REPLACE the front seatback assembly RH.</li> </ol>
Side air bag (satellite) sensor (LH or RH)	<ol> <li>If none of the SRS components have been activated:</li> <li>Remove the side air bag (satellite) sensor (LH or RH) on the collision side. Check harness con nectors for damage, terminals for deformities, and harness for binding.</li> <li>Check for visible signs of damage (dents, cracks, deformation, etc.) of the side air bag (satellite) sensor (LH or RH).</li> <li>Install the side air bag (satellite) sensor (LH or RH) to check fit.</li> <li>If no damage is found, reinstall the side sir bag (satellite) sensor (LH or RH) with new fasteners.</li> <li>If damaged – REPLACE the side air bag (satellite) sensor (LH or RH) with new fasteners.</li> </ol>
Diagnosis sensor unit	If none of the SRS components have been activated:  1. Check case and bracket for dents, cracks or deformities.  2. Check connectors for damage, and terminals for deformities.  3. If no damage is found, reinstall the diagnosis sensor unit with new fasteners.  4. If damaged – REPLACE the diagnosis sensor unit with new fasteners.
Seat belt pre-tensioner assemblies (All applicable locations: buckle, retractor, lap outer)	<ol> <li>If the pre-tensioners have NOT been activated:</li> <li>Remove seat belt pre-tensioners.         Check harness cover and connectors for damage, terminals for deformities, and harness for binding.</li> <li>Check belts for damage and anchors for loose mounting.</li> <li>Check retractor for smooth operation.</li> <li>Check seat belt adjuster for damage.</li> <li>Check for deformities of the center pillar inner.</li> <li>If the center pillar inner has no damage, REPLACE the seat belt pre-tensioner assembly.</li> <li>If damaged – REPLACE. Install the seat belt pre-tensioners with new fasteners.</li> </ol>
Seat (with front side air bag)	<ol> <li>If the front LH or front RH side air bag modules have NOT deployed:</li> <li>Visually check the seat on the collision side.</li> <li>Remove the seat on the collision side and check the following for damage and deformities.</li> <li>Harness, connectors and terminals</li> <li>Frame and recliner (for front and rear seat), and also adjuster and slides (for front seat)</li> <li>If no damage is found, reinstall the seat.</li> <li>If damaged – REPLACE the damaged seat parts using new fasteners. If the front seat back is damaged, the front seat back assembly must be replaced.</li> </ol>
Center inner pillar	<ol> <li>Check the center inner pillar on the collision side for damage (dents, cracks, deformation, etc.)</li> <li>If damaged – REPAIR the center inner pillar.</li> </ol>

# < SERVICE INFORMATION >

Part	Inspection
Trim/headlining	<ol> <li>Check for visible signs of damage (dents, cracks, deformation, etc.) of the interior trim on the collision side.</li> <li>If damaged – REPLACE the damaged trim parts.</li> </ol>
Door-mounted curtain air bag module LH	<ol> <li>If the door-mounted curtain air bag LH has NOT deployed:         <ul> <li>Check for visible signs of damage (dents, tears, deformation, etc.) of the door finisher on the collision side.</li> </ul> </li> <li>If damaged – REPLACE the door finisher LH with new fasteners.</li> <li>Check for visible signs of damaged (tears etc.) of the door-mounted curtain air bag module LH.</li> <li>Check harness and connectors for damage, and terminals for deformities.</li> <li>If no damage is found, reinstall door finisher.         <ul> <li>CAUTION:</li> <li>When removing door-mounted curtain air bag module from door finisher, never reuse door finisher.</li> </ul> </li> <li>If damaged – REPLACE the door finisher LH and door-mounted curtain air bag module LH with new fasteners.</li> </ol>
Door-mounted curtain air bag module RH	<ol> <li>If the door-mounted curtain air bag RH has NOT deployed:</li> <li>Check for visible signs of damage (dents, tears, deformation, etc.) of the door finisher on the collision side.</li> <li>If damaged – REPLACE the door finisher RH with new fasteners.</li> <li>Check for visible signs of damage (tears etc.) of the door-mounted curtain air bag module RH.</li> <li>Check harness and connectors for damage, and terminals for deformities.</li> <li>If no damage is found, reinstall door finisher.         CAUTION:         When removing door-mounted curtain air bag module from door finisher, never reuse door finisher.     </li> <li>If damaged – REPLACE the door finisher RH and door-mounted curtain air bag module RH with new fasteners.</li> </ol>
Pop-up roll bar	<ol> <li>If the pop-up roll bar has NOT deployed:</li> <li>Check for visible signs of damage (dents, tears, deformation, etc.) of the pop-up roll bar.</li> <li>If damaged – REPLACE the pop-up roll bar with new fasteners.</li> <li>Check harness and connectors for damage, and terminals for deformities.</li> <li>If no damage is found, reinstall the pop-up roll bar with new fasteners.</li> <li>Check for visible signs of damage (dents, cracks, deformation, etc.) of the seatback support brace assembly.</li> <li>If damaged – REPAIR the seatback support brace assembly.</li> </ol>

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