

SECTION **SR**  
SRS AIRBAG

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# PRECAUTIONS

< PRECAUTION >

## PRECAUTION

### PRECAUTIONS

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

INFOID:000000005462572

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

#### **WARNING:**

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

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

#### **WARNING:**

- When working near the Airbag Diagnosis Sensor Unit or other Airbag System sensors with the Ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the Ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

#### Service

INFOID:000000005462573

- 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

INFOID:000000005462574

- Replace occupant classification system control unit and passenger front seat cushion as an assembly. Refer to [SE-76. "PASSENGER SIDE : Disassembly"](#) with climate controlled seat, and [SE-118. "PASSENGER SIDE : Disassembly"](#) without climate controlled seat.

#### Precautions Necessary for Steering Wheel Rotation after Battery Disconnect (Early

# PRECAUTIONS

< PRECAUTION >

## Production, With Electronic Steering Column Lock)

INFOID:000000005885919

### NOTE:

- Before removing and installing any control units, first turn the push-button ignition switch to the LOCK position, then disconnect both battery cables.
- After finishing work, confirm that all control unit connectors are connected properly, then re-connect both battery cables.
- Always use CONSULT-III to perform self-diagnosis as a part of each function inspection after finishing work. If a DTC is detected, perform trouble diagnosis according to self-diagnosis results.

This vehicle is equipped with a push-button ignition switch and a steering lock unit.

If the battery is disconnected or discharged, the steering wheel will lock and cannot be turned.

If turning the steering wheel is required with the battery disconnected or discharged, follow the procedure below before starting the repair operation.

### OPERATION PROCEDURE

1. Connect both battery cables.

#### NOTE:

Supply power using jumper cables if battery is discharged.

2. Carry the Intelligent Key or insert it to the key slot and turn the push-button ignition switch to ACC position. (At this time, the steering lock will be released.)
3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.
4. Perform the necessary repair operation.
5. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the push-button ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the push-button ignition switch is turned to LOCK position.)
6. Perform self-diagnosis check of all control units using CONSULT-III.

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# PREPARATION

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## PREPARATION

### PREPARATION

#### Special Service Tool

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The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

Tool number (Kent-Moore No.) Tool name	Description
<p>— (J-44615) Air bag lock master key set</p>  <p>LRS191</p>	Removing and installing air bag lock

# DRIVER AIR BAG MODULE

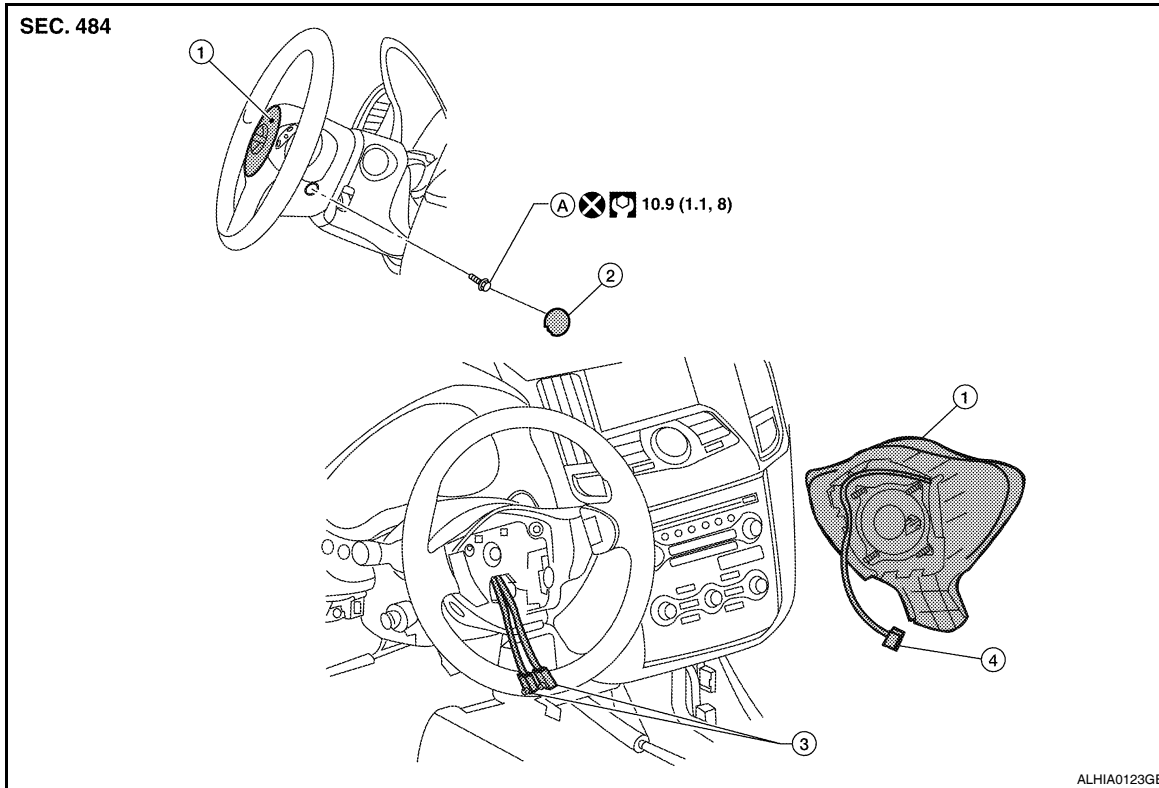
< ON-VEHICLE REPAIR >

## ON-VEHICLE REPAIR

### DRIVER AIR BAG MODULE

Exploded View

INFOID:000000005462577



1. Driver air bag module
2. Side lid
3. Driver air bag module harness connectors
4. Steering wheel switch assembly connector
- A. Driver air bag module bolt

### Removal and Installation

INFOID:000000005462578

#### CAUTION:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Do not use air tools or electric tools for servicing.
- Always work from the side of air bag module. Do not work from the front of it.
- Always place air bag module with pad side facing upward.
- Do not cause impact to the air bag module by dropping etc. Replace the air bag module if it has been dropped or sustained an impact.

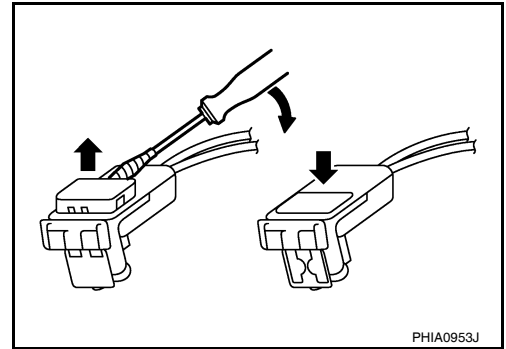
#### REMOVAL

1. Disconnect the negative and positive battery terminals, then wait at least 3 minutes.
2. Remove side lids, then remove the driver air bag module bolts (RH/LH).
3. Disconnect the driver air bag module harness connectors.

## DRIVER AIR BAG MODULE

### < ON-VEHICLE REPAIR >

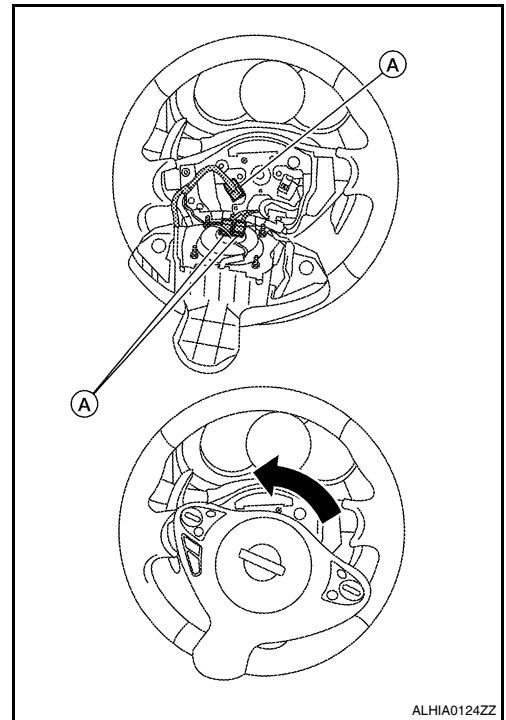
- For installing/removing direct-connect SRS connectors, refer to [SRC-9, "Direct-connect SRS Component Connectors"](#).
4. Disconnect the steering wheel switch assembly connector. Then remove driver air bag module from steering wheel.
  5. Remove the steering wheel switch assembly from driver air bag module. Refer to [AV-78, "Removal and Installation"](#).



### INSTALLATION

#### **CAUTION:**

- **Do not use old bolts after removal; replace with new bolts.**
1. Attach steering wheel switch assembly to driver air bag module.
  2. Route the driver air bag module harness through attachment hook on steering wheel.
  3. Place the driver air bag module near the steering wheel and attach connectors (A).
  4. Lift the driver air bag module while rotating counterclockwise into position over steering wheel.



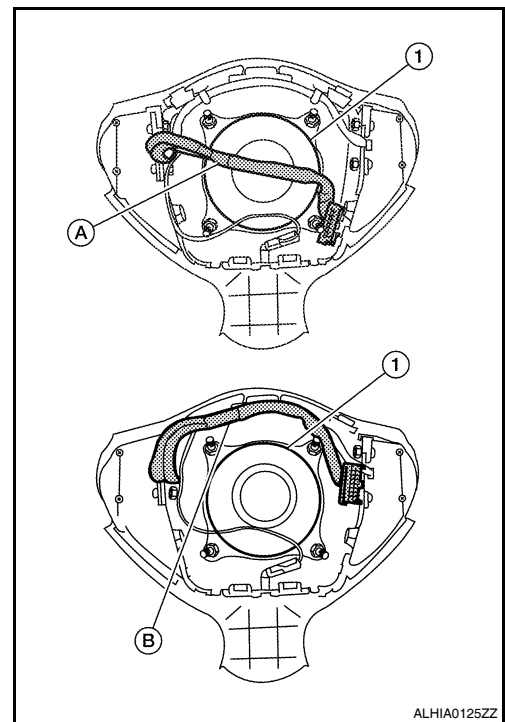
## DRIVER AIR BAG MODULE

### < ON-VEHICLE REPAIR >

5. Pushing upward into place, position the steering wheel switch assembly harness along the upper edge and install the driver air bag module into the steering wheel.
- Make sure that the steering wheel switch assembly harness is routed above the center of the driver air bag module inflator (1) as shown (B), and is not routed so it is pinched between the driver air bag module inflator (1) and steering column shaft threads as shown (A).

#### CAUTION:

- Make sure the steering switch harness is correctly routed above the center of the driver air bag module inflator (1) as shown (B), and NOT incorrectly routed across the driver air bag module inflator as shown (A).
- Be careful not to damage or pinch the harness while installing.
- Tighten the driver air bag module bolts after centering the holes between the driver air bag module and the steering wheel horn contact bracket. If the holes are misaligned, the bolt threads may become damaged and the module will not install securely.



6. Install the driver air bag module bolts.

#### CAUTION:

- After the work is completed, make sure no system malfunction is detected by air bag warning lamp.
- In case a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- If a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions. Refer to [SRC-12, "SRS Operation Check"](#).

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# SPIRAL CABLE

< ON-VEHICLE REPAIR >

## SPIRAL CABLE

### Removal and Installation

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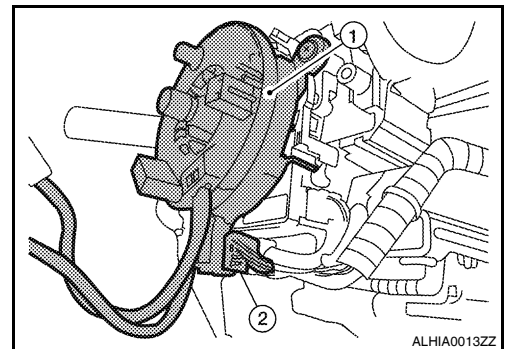
#### CAUTION:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Do not use air tools or electric tools for servicing.
- Do not disassemble the spiral cable.
- Do not allow oil, grease, detergent or water to come in contact with the spiral cable.
- With the steering linkage disconnected, the cable may snap by turning the steering wheel beyond the limited number of turns. The spiral cable can be turned counterclockwise about 2.5 turns from the neutral position.
- Do not cause impact to the spiral cable by dropping etc. Replace the spiral cable if it has been dropped or sustained an impact.



### REMOVAL

1. Disconnect the negative and positive battery terminals, then wait at least 3 minutes.
2. Remove the steering wheel. Refer to [ST-18, "Removal and Installation"](#).
3. Remove the column cover. Refer to [IP-12, "Removal and Installation"](#).
4. Disconnect the harness connectors (2) from spiral cable (1).





# SPIRAL CABLE

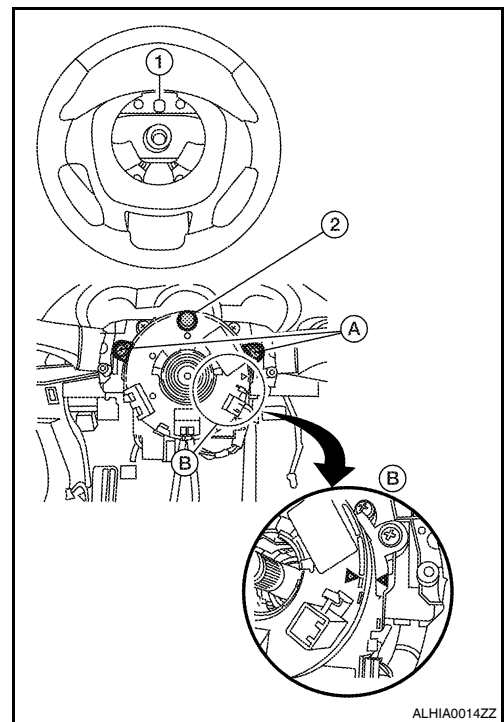
## < ON-VEHICLE REPAIR >

5. Rotate the spiral cable slightly so the locating pin (2) is positioned at the top.
6. Remove the screws (A), then remove spiral cable from the steering column.

**CAUTION:**

**Do not turn the spiral cable quickly or beyond the limit number of turns (approximately 2.5 turns from the neutral position), this may cause the cable to snap.**

7. Remove the steering angle sensor. Refer to [BRC-107. "Removal and Installation"](#).



## INSTALLATION

1. Install the steering angle sensor. Refer to [BRC-107. "Removal and Installation"](#).
2. Set the spiral cable neutral position.
  1. Slowly turn the spiral cable clockwise to the end position.
  2. Next, turn it counterclockwise (about 2.5 turns) then stop turning at the point when the alignment arrows (B) are directly across from each other.
  3. Rotate the spiral cable slightly so the locating pin (2) is positioned at the top.

**NOTE:**

A service part is installed in the neutral position with a stopper clip in place and should not be adjusted after the stopper clip is removed.

3. Install the spiral cable in the reverse order of removal.
  - Align the locating hole (1) at the top of the steering wheel with the locating pin (2) of spiral cable during installation.
4. Adjust the neutral position of the steering angle sensor. Refer to [BRC-8. "ADJUSTMENT OF STEERING ANGLE SENSOR NEUTRAL POSITION : Special Repair Requirement"](#).

**CAUTION:**

- The spiral cable may snap by steering operation if the cable is installed in an improper position.
- Do not turn the spiral cable quickly or beyond the limit number of turns. (This can cause the cable to snap.)
- After the work is completed, make sure no system malfunction is detected by air bag warning lamp.
- In case a malfunction is detected by the air bag warning lamp, reset with the self-diagnosis function and delete the memory with CONSULT-III.
- If a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions. Refer to [SRC-12. "SRS Operation Check"](#).

# FRONT PASSENGER AIR BAG MODULE

< ON-VEHICLE REPAIR >

## FRONT PASSENGER AIR BAG MODULE

### Removal and Installation

INFOID:000000005462580

#### CAUTION:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Do not use air tools or electric tools for servicing.
- Always work from the side of air bag module. Do not work from the front of it.
- Always place air bag module with pad side facing upward.
- Do not cause impact to the air bag module by dropping etc. Replace the air bag module if it has been dropped or sustained an impact.

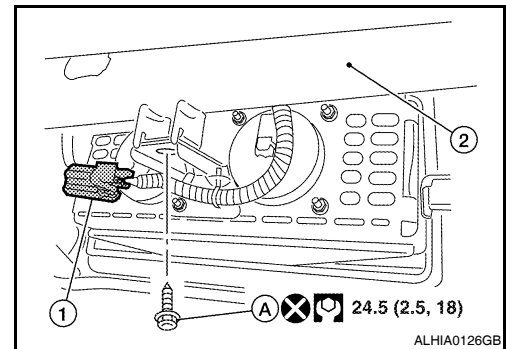
#### REMOVAL

1. Disconnect the negative and positive battery terminals, then wait at least 3 minutes.
2. Remove the glove box assembly. Refer to [IP-12, "Removal and Installation"](#).
3. Disconnect the front passenger air bag module connector (1).

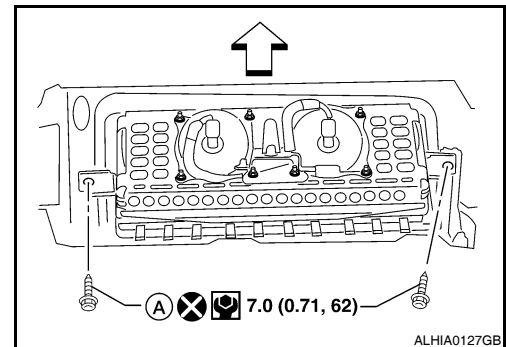
#### NOTE:

The figure shows installed condition of the front passenger air bag module without glove box in place.

4. Remove front passenger air bag module bolt (A) from steering member (2).
5. Remove the remaining instrument panel from the vehicle. Refer to [IP-12, "Removal and Installation"](#).



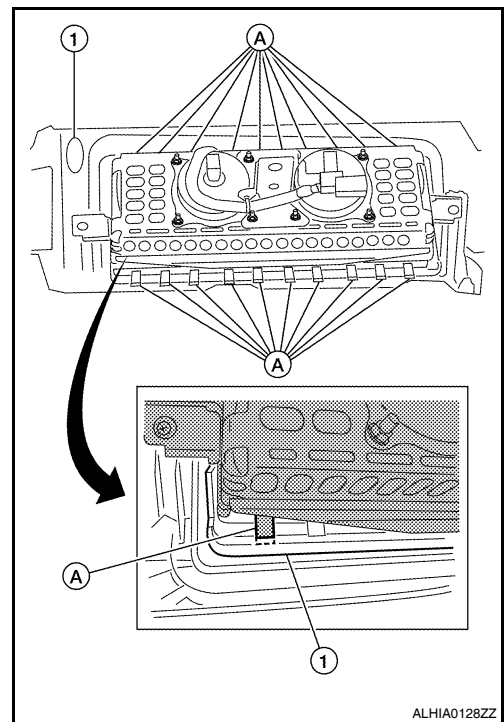
6. Remove the front passenger air bag module screws (A).  
↶ Vehicle front.



## FRONT PASSENGER AIR BAG MODULE

### < ON-VEHICLE REPAIR >

7. Release the upper and lower front passenger air bag module tabs (A) from instrument panel and pad assembly (1).
8. Rotate and lift the front passenger air bag module away from the instrument panel, then remove.



### INSTALLATION

#### **CAUTION:**

- Do not use old bolts after removal; replace with new bolts.
  - Be careful not to damage the harness while installing.
  - After the work is completed, make sure no system malfunction is detected by air bag warning lamp.
  - In case a malfunction is detected by the air bag warning lamp, reset with the self-diagnosis function and delete the memory by CONSULT-III.
  - If a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions. Refer to [SRC-12, "SRS Operation Check"](#).
1. Install front passenger air bag module to the instrument panel assembly.
  2. Install the instrument panel assembly. Refer to [IP-12, "Removal and Installation"](#).
  3. Connect the front passenger air bag module harness connector to yellow 4-pin service replacement connector and fasten to mounting bracket.

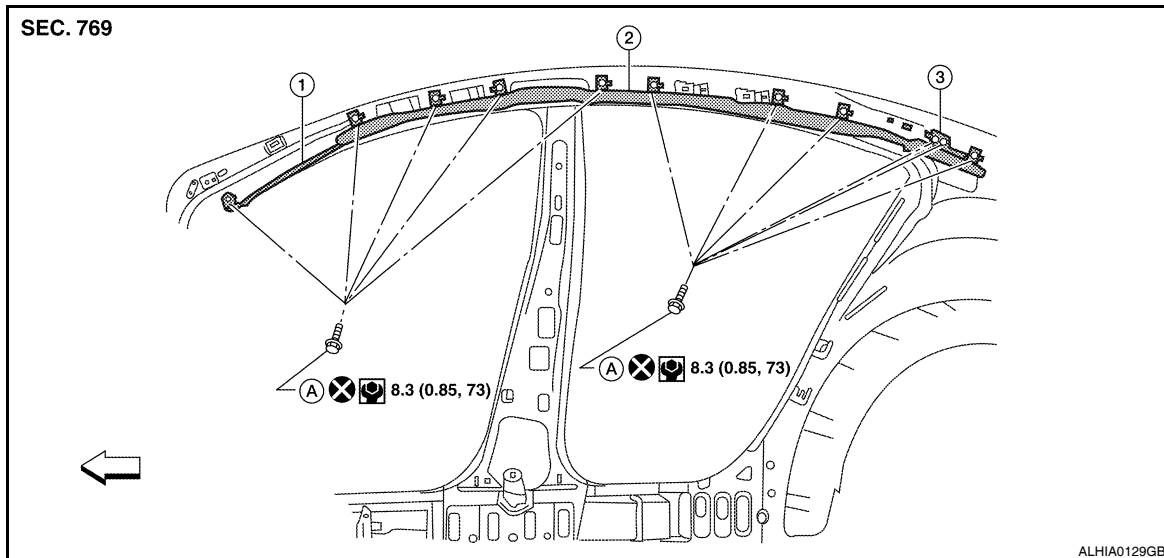
# SIDE CURTAIN AIR BAG MODULE

< ON-VEHICLE REPAIR >

## SIDE CURTAIN AIR BAG MODULE

Component

INFOID:000000005462581



1. Side curtain air bag module tether      2. Side curtain air bag module      3. Side curtain air bag module inflator assembly
- A. Side curtain air bag module bolt      ← Vehicle front

## Removal and Installation

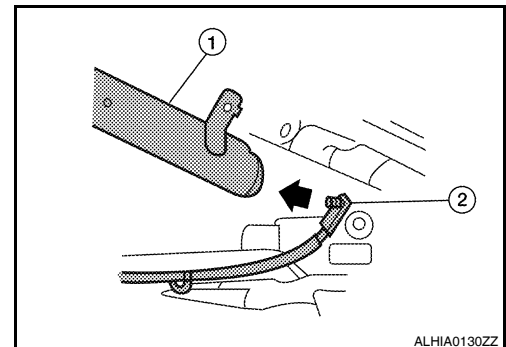
INFOID:000000005462582

### CAUTION:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Do not use air tools or electric tools for servicing.
- Always work from the side of air bag module. Do not work from the front of it.
- Always place the curtain air bag module with air bag deployment side facing upward.
- Do not attempt to disassemble side curtain air bag module.

### REMOVAL

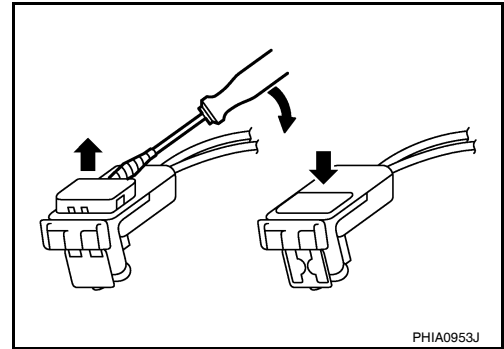
1. Disconnect the negative and positive battery terminals, then wait at least 3 minutes.
2. Remove the headlining. Refer to [INT-32, "Removal and Installation"](#).
3. Disconnect the side curtain air bag module connector (2) from the inflator (1).



## SIDE CURTAIN AIR BAG MODULE

### < ON-VEHICLE REPAIR >

- For installing/removing direct-connect SRS connectors, refer to [SRC-9. "Direct-connect SRS Component Connectors"](#).
  - Do not repair direct-connect SRS component connectors. Refer to [SRC-12. "Trouble Diagnosis Introduction"](#).
4. Remove the bolts, then remove side curtain air bag module assembly.



### INSTALLATION

Installation is in the reverse order of removal.

#### **CAUTION:**

- Be careful not to damage the air bag harness.
- After the work is completed, make sure no system malfunction is detected by air bag warning lamp.
- In case a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- If a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions. Refer to [SRC-12. "SRS Operation Check"](#).
- Make sure the side curtain air bag module is not twisted at any point along the vehicle when installed.
- Replace the side curtain air bag module if it has been dropped or sustained an impact.



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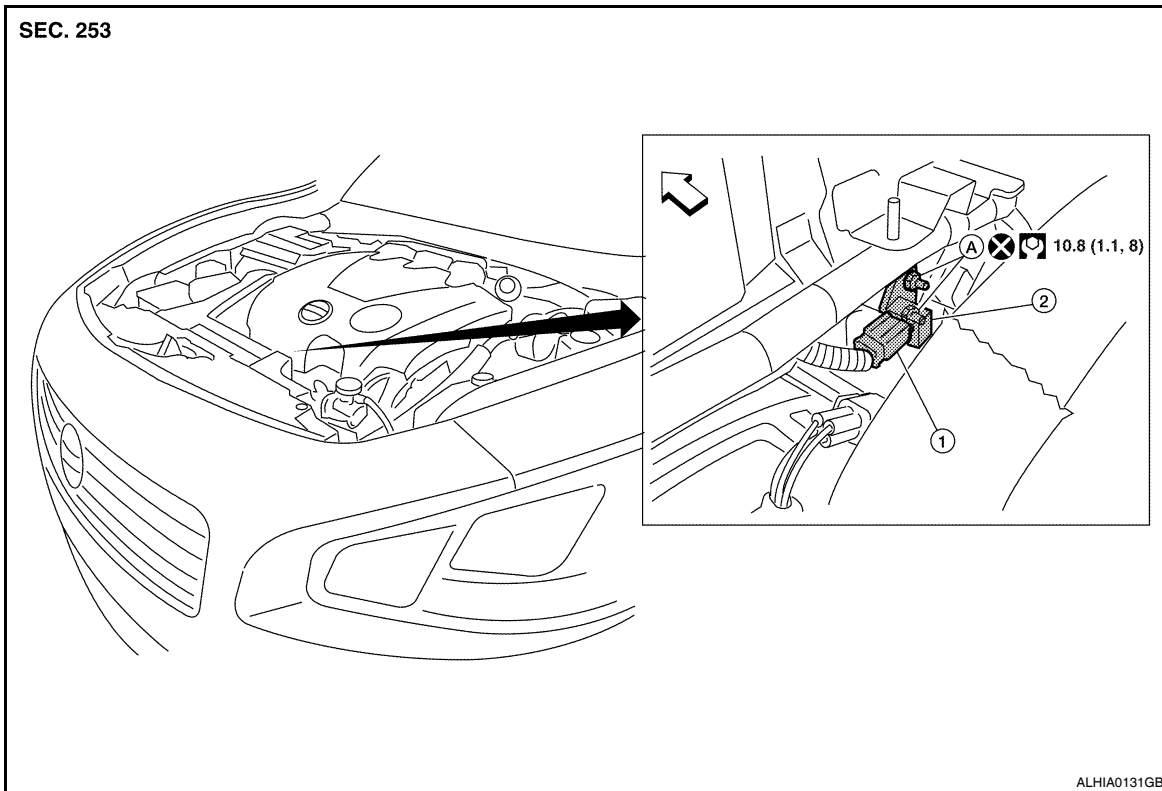
# CRASH ZONE SENSOR

< ON-VEHICLE REPAIR >

## CRASH ZONE SENSOR

Component

INFOID:000000005462583



1. Crash zone sensor harness connector

2. Crash zone sensor

A. Nut

← Vehicle front

## Removal and Installation

INFOID:000000005462584

### CAUTION:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Do not use air tools or electric tools for servicing.
- Replace the crash zone sensor of deployed SRS driver air bag and deployed SRS front passenger air bag.
- Do not cause impact to the crash zone sensor by dropping etc. Replace the crash zone sensor if it has been dropped or sustained an impact.



### REMOVAL

1. Disconnect the negative and positive battery terminals, then wait at least 3 minutes.
2. Remove the air inlet duct, then position upper radiator hose aside.
3. Disconnect the crash zone sensor harness connector.

## CRASH ZONE SENSOR

### < ON-VEHICLE REPAIR >

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4. Remove the nuts, then remove crash zone sensor.

#### INSTALLATION

Installation is in the reverse order of removal.

#### **CAUTION:**

- Do not use old crash zone sensor nuts after removal; replace with new nuts.
- Be careful not to damage the crash zone sensor harness.
- After the work is completed, make sure no system malfunction is detected by air bag warning lamp.
- In case a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- If a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions. Refer to [SRC-12. "SRS Operation Check"](#).

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# SIDE AIR BAG (SATELLITE) SENSOR

< ON-VEHICLE REPAIR >

## SIDE AIR BAG (SATELLITE) SENSOR

### Removal and Installation

INFOID:000000005462585

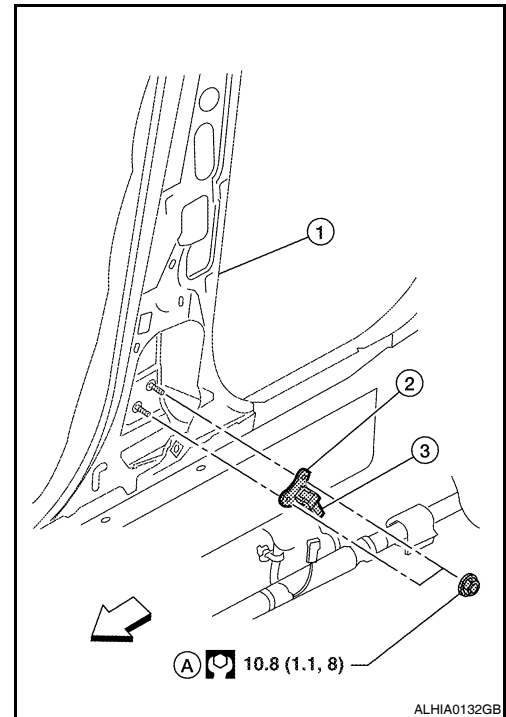
#### CAUTION:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Do not use air tools or electric tools for servicing.
- Replace the satellite sensor of deployed SRS front side air bag and deployed SRS side curtain air bag.
- Do not cause impact to the side air bag (satellite) sensor by dropping etc. Replace the side air bag (satellite) sensor if it has been dropped or sustained an impact.



### REMOVAL

1. Disconnect the negative and positive battery terminals, then wait at least 3 minutes.
2. Remove the front seat belt retractor. Refer to [SB-7, "Removal and Installation"](#).
3. Disconnect the side air bag (satellite) sensor harness connector (3).  
↵: Vehicle front
4. Remove the nuts (A), then remove side air bag (satellite) sensor (2) from center pillar (1) studs.



### INSTALLATION

Installation is in the reverse order of removal.

#### CAUTION:

- Do not use old fixing nuts after removal; replace with new nuts.
- Be careful not to damage the satellite sensor harness.
- After the work is completed, make sure no system malfunction is detected by air bag warning lamp.
- In case a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- If a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions. Refer to [SRC-12, "SRS Operation Check"](#).



# DIAGNOSIS SENSOR UNIT

< ON-VEHICLE REPAIR >

## DIAGNOSIS SENSOR UNIT

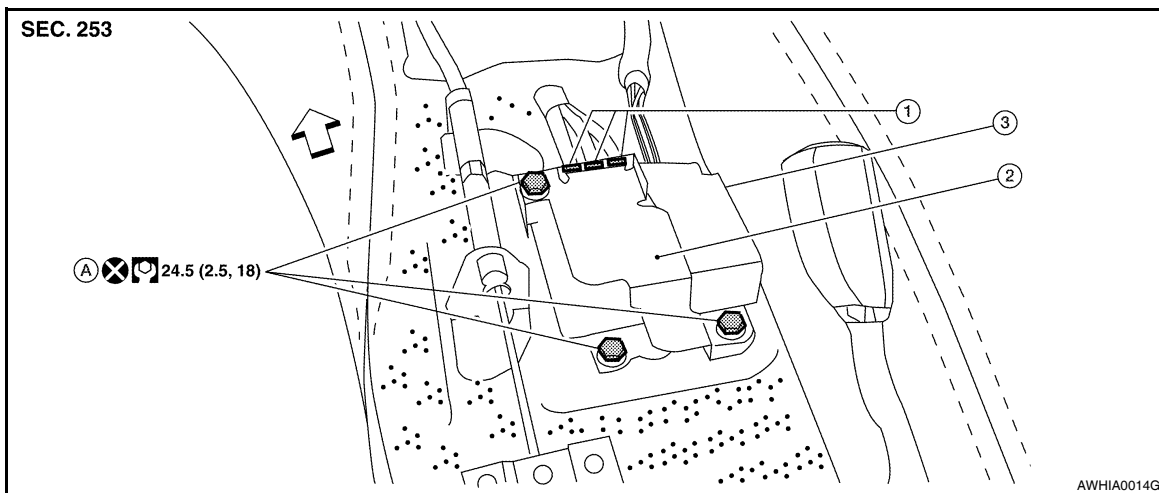
### Removal and Installation

INFOID:000000005462586

#### WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Before disconnecting the air bag sensor unit harness connector, be sure to disconnect the harness connector of each air bag module and pre-tensioner seat belt to prevent air bag deployment by static electricity.
- Do not use 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-tensioner in a collision resulting in serious personal injury or death.

#### REMOVAL



1. Diagnosis sensor unit harness connector
  2. Diagnosis sensor unit shield
  3. Diagnosis sensor unit
- A. Diagnosis sensor unit bolts      ← Vehicle front

1. Always check the air bag diagnosis sensor unit ECU discriminated number (identification number) using CONSULT-III.
2. Disconnect the negative and positive battery terminals, then wait at least 3 minutes.
3. Disconnect connector of each air bag module and seat belt pre-tensioner. Refer to [SR-5. "Removal and Installation"](#), [SR-10. "Removal and Installation"](#), [SR-12. "Removal and Installation"](#), [SE-65. "Removal and Installation"](#) or [SE-107. "Removal and Installation"](#), [SB-7. "Removal and Installation"](#).
4. Remove the center console. Refer to [IP-18. "Disassembly and Assembly"](#).
5. Disconnect the diagnosis sensor unit harness connectors.
6. Remove the bolts, then remove the diagnosis sensor unit.

#### CAUTION:

- Never impact the air bag diagnosis sensor unit.

## DIAGNOSIS SENSOR UNIT

### < ON-VEHICLE REPAIR >

- Do not cause an impact to the diagnosis sensor unit by dropping etc. Replace the diagnosis sensor unit if it has been dropped or sustained an impact.



### INSTALLATION

Installation is in the reverse order of removal.

#### **CAUTION:**

- Do not use old bolts after removal; replace with new bolts.
- Be careful not to damage the diagnosis sensor unit harness.
- After the work is completed, make sure no system malfunction is detected by air bag warning lamp.
- In case a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- If a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions. Refer to [SRC-12, "SRS Operation Check"](#).
- 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 diagnosis 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

< ON-VEHICLE REPAIR >

## OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

### Removal and Installation

INFOID:000000005462587

The occupant classification system control unit and sensor mat are an integral part of the front passenger seat cushion, and are replaced as an assembly only. Refer to [SE-65. "Removal and Installation"](#) with climate controlled seats, and [SE-107. "Removal and Installation"](#) without climate controlled seats.

**CAUTION:**

**Do not disassemble the seat trim from the seat cushion foam.**

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# COLLISION DIAGNOSIS

< ON-VEHICLE REPAIR >

## COLLISION DIAGNOSIS

### For Frontal Collision

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Check the SRS components using the following table.

- After the work is completed, perform self-diagnosis to check that no malfunction is detected. Refer to [SRC-12, "SRS Operation Check"](#).

### SRS INSPECTION (FOR FRONTAL COLLISION)

Part	SRS is activated	SRS is NOT activated
Driver air bag module	If the driver air bag has deployed: REPLACE Install with new fasteners.	If the driver air bag has NOT been activated: 1. Remove driver air bag module. Check harness cover and connectors for damage, terminals for deformities, and harness for binding. 2. Install driver air bag module into the steering wheel to check fit and alignment with the wheel. 3. If no damage is found, reinstall with new fasteners. 4. If damaged—REPLACE. Install driver air bag modules with new fasteners.
Front passenger air bag module	If the front passenger air bag has deployed: REPLACE Install with new fasteners.	If the front passenger air bag has NOT been activated: 1. Remove front passenger air bag module. Check harness cover and connectors for damage, terminals for deformities, and harness for binding. 2. Install front passenger air bag module into the instrument panel to check fit with the instrument panel. 3. If no damage is found, reinstall with new fasteners. 4. If damaged—REPLACE. Install front passenger air bag modules 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.	If the front air bags or seat belt pre-tensioners have NOT been activated: 1. Remove the crash zone sensor. Check harness connectors for damage, terminals for deformities, and harness for binding. 2. Check for visible signs of damage (dents, cracks, deformation) of the crash zone sensor and bracket. 3. Install the crash zone sensor to check fit. 4. If no damage is found, reinstall with new fasteners. 5. If damaged—REPLACE the crash zone sensor and bracket with new fasteners.
Seat belt pre-tensioner assemblies (All applicable locations: buckle, reel, 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.	If the pre-tensioners have NOT been activated: 1. Remove seat belt pre-tensioners. Check harness cover and connectors for damage, terminals for deformities, and harness for binding. 2. Check belts for damage and anchors for loose mounting. 3. Check retractor for smooth operation. 4. Check seat belt adjuster for damage. 5. Check for deformities of the center pillar inner. 6. If the center pillar inner has no damage, REPLACE the seat belt pre-tensioner assembly. 7. If no damage is found, reinstall seat belt pre-tensioner assembly. 8. If damaged—REPLACE. Install the seat belt pre-tensioners with new fasteners.
Diagnosis sensor unit	If any of the SRS components have been activated: REPLACE the diagnosis sensor unit. Install with new fasteners.	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.

# COLLISION DIAGNOSIS

## < ON-VEHICLE REPAIR >

Part	SRS is activated	SRS is NOT activated
Steering wheel	<ol style="list-style-type: none"> <li>1. Visually check steering wheel for deformities.</li> <li>2. Check harness (built into steering wheel) and connectors for damage, and terminals for deformities.</li> <li>3. Install driver air bag module into the steering wheel to check fit and alignment with the wheel.</li> <li>4. Check steering wheel for excessive free play.</li> <li>5. If no damage is found, reinstall.</li> <li>6. If damaged—REPLACE.</li> </ol>	
Spiral cable	If the driver front air bag has deployed: REPLACE the spiral cable.	If the driver front air bag has not deployed: <ol style="list-style-type: none"> <li>1. Visually check spiral cable and combination switch for damage.</li> <li>2. Check connectors and protective tape for damage.</li> <li>3. Check steering wheel for noise, binding or heavy operation.</li> <li>4. If no damage is found, reinstall.</li> <li>5. If damaged—REPLACE.</li> </ol>
Occupant classification system (Passenger seat)	<ol style="list-style-type: none"> <li>1. Remove passenger seat.</li> <li>2. Check control unit case for dents, cracks or deformities.</li> <li>3. Check connectors and pattern sensor for damage, and terminals for deformities.</li> <li>4. Check seat frame and cushion pan for dents or deformities.</li> <li>5. If no damage is found, reinstall seat with new fasteners.</li> <li>6. If damaged — REPLACE seat cushion assembly with new fasteners.</li> </ol>	
Harness and connectors	<ol style="list-style-type: none"> <li>1. Check connectors for poor connection and damage, and terminals for deformities.</li> <li>2. Check harness for binding, chafing, cuts, or deformities.</li> <li>3. If no damage is found, reinstall the harness and connectors.</li> <li>4. If damaged—REPLACE the damaged harness. Do not attempt to repair, splice or modify any SRS harness.</li> </ol>	
Instrument panel	If the passenger front air bag has deployed: REPLACE the instrument panel assembly.	If the passenger front air bag has NOT deployed: <ol style="list-style-type: none"> <li>1. Visually check instrument panel for damage.</li> <li>2. If no damage is found, reinstall the instrument panel.</li> <li>3. If damaged—REPLACE the instrument panel.</li> </ol>

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## For Side and Rollover Collision

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Check the SRS components using the following table.

- After the work is completed, perform self-diagnosis to check that no malfunction is detected. Refer to [SRC-12. "SRS Operation Check"](#).

### WHEN SRS IS ACTIVATED IN THE SIDE OR ROLLOVER COLLISION

1. Replace the following components:
  - Front seatback assembly (on the side on which side air bag is activated)
  - Diagnosis sensor unit
  - (LH or RH) side air bag (satellite) sensor (on the side on which side air bag is activated)
2. 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).
3. Conduct self-diagnosis using CONSULT-III and "AIR BAG" warning lamp. Refer to [SRC-12. "SRS Operation Check"](#) for details. Make sure entire SRS operates properly.

### WHEN SRS IS NOT ACTIVATED IN THE SIDE OR ROLLOVER COLLISION

1. Check the SRS components and the related parts using the following table.
  - If the front seatback assembly is damaged, the front seatback assembly must be replaced.
2. Conduct self-diagnosis using CONSULT-III and "AIR BAG" warning lamp. Refer to [SRC-12. "SRS Operation Check"](#) for details. Make sure entire SRS operates properly.

### SRS INSPECTION (FOR SIDE AND ROLLOVER COLLISION)

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# COLLISION DIAGNOSIS

## < ON-VEHICLE REPAIR >

Part	SRS is activated	SRS is NOT activated
LH side curtain air bag module	If the LH side curtain air bag has deployed: REPLACE the LH side curtain air bag module. (Repair the center pillar inner, etc. before installing new one, if damaged.)	If the LH side curtain air bag has NOT deployed: <ol style="list-style-type: none"> <li>1. Check for visible signs of damage (dents, tears, deformation) of the center pillar on the collision side.</li> <li>2. If damaged—Remove the LH side curtain air bag module.</li> <li>3. Check for visible signs of damage (tears, etc.) to the LH side curtain air bag module.</li> <li>4. Check harness and connectors for damage, and terminals for deformities.</li> <li>5. If no damage is found, reinstall the LH side curtain air bag module with new fasteners.</li> <li>6. If damaged—REPLACE the LH side curtain air bag module with new fasteners.</li> </ol>
RH side curtain air bag module	If the RH side curtain air bag has deployed: REPLACE the RH side curtain air bag module. (Repair the center pillar inner, etc. before installing new one, if damaged.)	If the RH side curtain air bag has NOT deployed: <ol style="list-style-type: none"> <li>1. Check for visible signs of damage (dents, tears, deformation) of the center pillar on the collision side.</li> <li>2. If damaged—Remove the RH side curtain air bag module.</li> <li>3. Check for visible signs of damage (tears, etc.) to the RH side curtain air bag module.</li> <li>4. Check harness and connectors for damage, and terminals for deformities.</li> <li>5. If no damage is found, reinstall the RH side curtain air bag module with new fasteners.</li> <li>6. If damaged—REPLACE the RH side curtain air bag module with new fasteners.</li> </ol>
Front LH side air bag module	If the front LH side air bag has deployed: REPLACE front LH seatback assembly.	If the front LH side air bag has NOT deployed: <ol style="list-style-type: none"> <li>1. Check for visible signs of damage (dents, tears, deformation) of the seatback on the collision side.</li> <li>2. Check harness and connectors for damage, and terminals for deformities.</li> <li>3. If damaged—REPLACE the front LH seatback assembly.</li> </ol>
Front RH side air bag module	If the front RH side air bag has deployed: REPLACE front RH seatback assembly.	If the front RH side air bag has NOT deployed: <ol style="list-style-type: none"> <li>1. Check for visible signs of damage (dents, tears, deformation) of the seatback on the collision side.</li> <li>2. Check harness and connectors for damage, and terminals for deformities.</li> <li>3. If damaged—REPLACE the front RH seatback assembly.</li> </ol>
(LH or RH) side air bag (satellite) sensor	If any of the SRS components have deployed: REPLACE the side air bag (satellite) sensor on the collision side with new fasteners. (Repair the center pillar inner, etc. before installing new one, if damaged.)	If none of the SRS components have been activated: <ol style="list-style-type: none"> <li>1. Remove the side air bag (satellite) sensor on the collision side. Check harness connectors for damage, terminals for deformities, and harness for binding.</li> <li>2. Check for visible signs of damage (dents, cracks, deformation) of the side air bag (satellite) sensor.</li> <li>3. Install the side air bag (satellite) sensor to check fit.</li> <li>4. If no damage is found, reinstall the side air bag (satellite) sensor with new fasteners.</li> <li>5. If damaged—REPLACE the side air bag (satellite) sensor with new fasteners.</li> </ol>
Diagnosis sensor unit	If any of the SRS components have deployed: REPLACE the diagnosis sensor unit with new fasteners.	If none of the SRS components have been activated: <ol style="list-style-type: none"> <li>1. Check case and bracket for dents, cracks or deformities.</li> <li>2. Check connectors for damage, and terminals for deformities.</li> <li>3. If no damage is found, reinstall the diagnosis sensor unit with new fasteners.</li> <li>4. If damaged—REPLACE the diagnosis sensor unit with new fasteners.</li> </ol>
Seat belt pre-tensioner assemblies (All applicable locations: buckle, reel, 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.	If the pre-tensioners have NOT been activated: <ol style="list-style-type: none"> <li>1. Remove seat belt pre-tensioners. Check harness cover and connectors for damage, terminals for deformities, and harness for binding.</li> <li>2. Check belts for damage and anchors for loose mounting.</li> <li>3. Check retractor for smooth operation.</li> <li>4. Check seat belt adjuster for damage.</li> <li>5. Check for deformities of the center pillar inner.</li> <li>6. If the center pillar inner has no damage, REPLACE the seat belt pre-tensioner assembly.</li> <li>7. If no damage is found, reinstall seat belt pre-tensioner assembly.</li> <li>8. If damaged—REPLACE. Install the seat belt pre-tensioners with new fasteners.</li> </ol>

# COLLISION DIAGNOSIS

## < ON-VEHICLE REPAIR >

Part	SRS is activated	SRS is NOT activated	
Seat (with front side air bag)	If either the front LH or front RH side air bag module has been deployed: REPLACE front seat-back assembly on the deployed side.	If the front LH or front RH side air bag modules have NOT deployed: 1. Visually check the seat on the collision side. 2. Remove the seat on the collision side and check the following for damage and deformities. - Harness, connectors and terminals - Frame and recliner (for front and rear seat), and also adjuster and slides (for front seat) 3. If no damage is found, reinstall the seat. 4. If damaged—REPLACE the damaged seat parts using new fasteners. If the front seatback is damaged, the front seatback assembly must be replaced.	A B C
Center inner pillar	1. Check the center inner pillar on the collision side for damage (dents, cracks, deformation). 2. If damaged—REPAIR the center inner pillar.		D
Trim/headlining	1. Check for visible signs of damage (dents, cracks, deformation) of the interior trim on the collision side. Assist grips must be replaced after airbag deployment. 2. If damaged—REPLACE the damaged trim parts.		E

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