

SECTION **SR**

SRS AIRBAG

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PRECAUTIONS

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PRECAUTION

PRECAUTIONS

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

INFOID:000000006418004

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

The vehicle may be equipped with a passenger air bag deactivation switch. Because no rear seat exists where a rear-facing child restraint can be placed, the switch is designed to turn off the passenger air bag so that a rear-facing child restraint can be used in the front passenger seat. The switch is located in the center of the instrument panel, near the ashtray. When the switch is turned to the ON position, the passenger air bag is enabled and could inflate for certain types of collision. When the switch is turned to the OFF position, the passenger air bag is disabled and will not inflate. A passenger air bag OFF indicator on the instrument panel lights up when the passenger air bag is switched OFF. The driver air bag always remains enabled and is not affected by the passenger air bag deactivation switch.

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 "SRS AIR BAG".
- 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.
- The vehicle may be equipped with a passenger air bag deactivation switch which can be operated by the customer. When the passenger air bag is switched OFF, the passenger air bag is disabled and will not inflate. When the passenger air bag is switched ON, the passenger air bag is enabled and could inflate for certain types of collision. After SRS maintenance or repair, make sure the passenger air bag deactivation switch is in the same position (ON or OFF) as when the vehicle arrived for service.

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 Necessary for Steering Wheel Rotation after Battery Disconnect

INFOID:000000006418005

NOTE:

- Before removing and installing any control units, first turn the 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.

For vehicle with 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 operation procedure below before starting the repair operation.

PRECAUTIONS

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OPERATION PROCEDURE

1. Connect both battery cables.
NOTE:
Supply power using jumper cables if battery is discharged.
2. Turn the 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 ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the ignition switch is turned to LOCK position.)
6. Perform self-diagnosis check of all control units using CONSULT-III.

Precaution for Disposal

INFOID:000000006300491

- Before disposing of air bag module, pop-up roll bar and seat belt pre-tensioner, or vehicles equipped with such systems, deploy the systems. If such systems have already been deployed due to an accident, dispose of them as indicated in Disposing of Air Bag Module, Pop-up Roll Bar and Seat Belt Pre-tensioner.
- When deploying the air bag module, pop-up roll bar and seat belt pre-tensioner, always use the Special Service Tool; Deployment tool (SST: KV99106400).
- When deploying the air bag module, pop-up roll bar and seat belt pre-tensioner, stand at least 5.0 m (16.4 ft.) away from the deployment component.
- When deploying air bag module, pop-up roll bar and seat belt pre-tensioner, a fairly loud noise is made, followed by smoke being released. The smoke is not poisonous, however, be careful not to inhale smoke since it irritates the throat and can cause choking.
- Always activate one air bag module at a time.
- Due to heat, leave air bag module unattended for more than 30 minutes after deployment. Also leave pop-up roll bar and seat belt pre-tensioner unattended for more than 10 minutes after deployment.
- Wear gloves when handling a deployed air bag module, pop-up roll bar and seat belt pre-tensioner.
- Never apply water to the deployed air bag module, pop-up roll bar and seat belt pre-tensioner.
- Wash your hands after work is completed.
- Place the vehicle outdoors with an open space of at least 6.0 m (19.7 ft) on all sides when deploying air bag module, pop-up roll bar and seat belt pre-tensioner while mounted in vehicle.
- Use a volt meter to make sure the vehicle battery is fully charged.
- Never dispose of the air bag module, pop-up roll bar and seat belt pre-tensioner that does not deploy.

Service

INFOID:000000006300492

- Never use electrical test equipment to check SRS circuits unless instructed to in this Service Manual.
- Before servicing the SRS, turn ignition switch OFF, disconnect battery negative terminal and wait at least 3 minutes.
For approximately 3 minutes after the battery negative terminal are removed, it is still possible for the air bag and seat belt pre-tensioner to deploy. Therefore, never work on any SRS connectors or wires until at least 3 minutes have elapsed.
- 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 in the neutral position since its rotations are limited. Never 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 functioning 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.

PREPARATION

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PREPARATION

PREPARATION

Special Service Tool

INFOID:000000006300493

Tool number Tool name	Description
KV99105300 Air bag module bracket	Anchors air bag module
KV99106400 Deployment tool	Disposes of air bag module and front seat belt pre-tensioner
KV99110500 Deployment tool adapter <ul style="list-style-type: none"> • Deployment tool adapter for driver air bag module • Deployment tool adapter for front passenger air bag module • Deployment tool adapter for side curtain air bag module • Deployment tool adapter for front seat belt pre-tensioner 	<ul style="list-style-type: none"> • Connects the deployment tool and driver air bag module • Connects the deployment tool and front passenger air bag module • Connects between the deployment tool and side curtain air bag module • Connects the deployment tool and front seat belt pre-tensioner
KV99109000 Deployment tool adapter Deployment tool adapter for front side air bag module	Connects between the deployment tool and front side air bag module

Commercial Service Tools

INFOID:000000006300494

Tool name	Description
Remover tool	Removes clips, pawls, and metal clips

COLLISION DIAGNOSIS

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BASIC INSPECTION

COLLISION DIAGNOSIS FOR FRONTAL COLLISION

FOR FRONTAL COLLISION : When SRS is activated in a collision

INFOID:000000006300495

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 [SRC-12, "Description"](#) 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 [SRC-12, "Description"](#).

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 style="list-style-type: none"> 1. Visually check steering wheel for deformities. 2. Check harness (built into steering wheel) and connectors for damage, and terminals for deformities. 3. Install driver air bag module into the steering wheel to check fit and alignment with the wheel. 4. Check steering wheel for excessive free play. 5. If no damage is found, reinstall. 6. If damaged – REPLACE.
Spiral cable	If the driver front air bag has deployed: REPLACE the spiral cable.
Occupant classification system (Passenger seat)	<ol style="list-style-type: none"> 1. Remove passenger seat assembly. 2. Check control unit case for dents, cracks or deformities. 3. Check connectors and pressure sensor tube for damage, and terminals for deformities. 4. Check seat frame and cushion pan for dents or deformities. 5. If no damage is found, reinstall seat with new fasteners. 6. If damaged – REPLACE seat cushion assembly with new fasteners.

COLLISION DIAGNOSIS

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Part	Inspection
Harness and connectors	<ol style="list-style-type: none"> 1. Check connectors for poor connection, damage, and terminals for deformities. 2. Check harness for binding, chafing, cuts, or deformities. 3. If no damage is found, reinstall the harness and connectors. 4. If damaged – REPLACE the damaged harness. Do not attempt to repair, splice or modify any SRS harness.
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

INFOID:000000006300496

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. Check the SRS components using the table below:
Replace any SRS components showing visible signs of damage. (dents, cracks and deformation, etc.)
3. Perform self-diagnosis using CONSULT-III or air bag warning lamp. Refer to [SRC-12. "Description"](#) 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 [SRC-12. "Description"](#).

SRS INSPECTION (FOR FRONTAL COLLISION)

Part	Inspection
Driver air bag module	<p>If the driver air bag has NOT been deployed:</p> <ol style="list-style-type: none"> 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 module with new fasteners. <p style="color: red; margin-top: 5px;">CAUTION: Before disposing of such systems, deploy the systems.</p>
Front passenger air bag module (if equipped)	<p>If the front passenger air bag has NOT been deployed:</p> <ol style="list-style-type: none"> 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. <p style="color: red; margin-top: 5px;">CAUTION: Before disposing of such systems, deploy the systems.</p>
Crash zone sensor	<p>If the front air bags or seat belt pre-tensioners have NOT been activated:</p> <ol style="list-style-type: none"> 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, etc.) 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.

COLLISION DIAGNOSIS

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Part	Inspection
Seat belt pre-tensioner assemblies (All applicable locations: buckle, retractor, lap outer)	If the pre-tensioners have NOT been activated: <ol style="list-style-type: none"> 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. <p>CAUTION: Before disposing of such systems, deploy the systems.</p>
Diagnosis sensor unit	If none of the SRS components have been activated: <ol style="list-style-type: none"> 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 style="list-style-type: none"> 1. Visually check steering wheel for deformities. 2. Check harness (built into steering wheel) and connectors for damage, and terminals for deformities. 3. Install driver air bag module into the steering wheel to check fit and alignment with the wheel. 4. Check steering wheel for excessive free play. 5. If no damage is found, reinstall. 6. If damaged – REPLACE.
Spiral cable	If the driver front air bag has not deployed: <ol style="list-style-type: none"> 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 style="list-style-type: none"> 1. Remove passenger seat assembly. 2. Check control unit case for dents, cracks or deformities. 3. Check connectors and pressure sensor tube for damage, and terminals for deformities. 4. Check seat frame and cushion pan for dents or deformities. 5. If no damage is found, reinstall seat with new fasteners. 6. If damaged – REPLACE seat cushion assembly with new fasteners.
Harness and connectors	<ol style="list-style-type: none"> 1. Check connectors for poor connection, damage, and terminals for deformities. 2. Check harness for binding, chafing, cuts, or deformities. 3. If no damage is found, reinstall the harness and connectors. 4. If damaged – REPLACE the damaged harness. Do not attempt to repair, splice or modify any SRS harness.
Instrument panel assembly	If the front passenger air bag has NOT deployed: <ol style="list-style-type: none"> 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:000000006300497

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

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- 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
3. 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.)
 4. Perform self-diagnosis using CONSULT-III and "AIR BAG" warning lamp. Refer to [SRC-12. "Description"](#) 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 [SRC-12. "Description"](#).

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	1. Check the center inner pillar on the collision side for damage (dents, cracks, deformation, etc.). 2. If damaged – REPAIR the center inner pillar.
Trim/headlining	1. Check for visible signs of damage (dents, cracks, deformation, etc.) of the interior trim on the collision side. 2. If damaged – REPLACE the damaged trim parts.
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

INFOID:000000006300498

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. 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.

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- 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 [SRC-12, "Description"](#) 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 [SRC-12, "Description"](#).

SRS INSPECTION (FOR SIDE AND ROLLOVER COLLISION)

Part	Inspection
Side curtain air bag module LH	<p>If the side curtain air bag LH has NOT deployed:</p> <ol style="list-style-type: none"> 1. Check for visible signs of damage (dents, tears, deformation, etc.) of the center pillar on the collision side. 2. If damaged – Remove the side curtain air bag module LH. 3. Check for visible signs of damage (tears etc.) of the side curtain air bag module LH. 4. Check harness and connectors for damage, and terminals for deformities. 5. If no damage is found, reinstall the side curtain air bag module LH with new fasteners. 6. If damaged – REPLACE the side curtain air bag module LH with new fasteners. <p>CAUTION: Before disposing of such systems, deploy the systems.</p>
Side curtain air bag module RH	<p>If the side curtain air bag RH has NOT deployed:</p> <ol style="list-style-type: none"> 1. Check for visible signs of damage (dents, tears, deformation, etc.) of the center pillar on the collision side. 2. If damaged – Remove the side curtain air bag module RH. 3. Check for visible signs of damage (tears etc.) of the side curtain air bag module RH. 4. Check harness and connectors for damage, and terminals for deformities. 5. If no damage is found, reinstall the side curtain air bag module RH with new fasteners. 6. If damaged – REPLACE the side curtain air bag module RH with new fasteners. <p>CAUTION: Before disposing of such systems, deploy the systems.</p>
Front side air bag module LH	<p>If the front side air bag LH has NOT deployed:</p> <ol style="list-style-type: none"> 1. Check for visible signs of damage (dents, tears, deformation, etc.) of the seat back on the collision side. 2. Check harness and connectors for damage, and terminals for deformities. 3. If damaged – REPLACE the front seatback assembly LH. <p>CAUTION: Before disposing of such systems, deploy the systems.</p>
Front side air bag module RH	<p>If the front side air bag RH has NOT deployed:</p> <ol style="list-style-type: none"> 1. Check for visible signs of damage (dents, tears, deformation, etc.) of the seat back on the collision side. 2. Check harness and connectors for damage, and terminals for deformities. 3. If damaged – REPLACE the front seatback assembly RH. <p>CAUTION: Before disposing of such systems, deploy the systems.</p>
Side air bag (satellite) sensor (LH or RH)	<p>If none of the SRS components have been activated:</p> <ol style="list-style-type: none"> 1. Remove the side air bag (satellite) sensor (LH or RH) on the collision side. Check harness connectors for damage, terminals for deformities, and harness for binding. 2. Check for visible signs of damage (dents, cracks, deformation, etc.) of the side air bag (satellite) sensor (LH or RH). 3. Install the side air bag (satellite) sensor (LH or RH) to check fit. 4. If no damage is found, reinstall the side air bag (satellite) sensor (LH or RH) with new fasteners. 5. If damaged – REPLACE the side air bag (satellite) sensor (LH or RH) with new fasteners.
Diagnosis sensor unit	<p>If none of the SRS components have been activated:</p> <ol style="list-style-type: none"> 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.

COLLISION DIAGNOSIS

< BASIC INSPECTION >

Part	Inspection	
Seat belt pre-tensioner assemblies (All applicable locations: buckle, retractor, lap outer)	<p>If the pre-tensioners have NOT been activated:</p> <ol style="list-style-type: none"> 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. <p>CAUTION: Before disposing of such systems, deploy the systems.</p>	A B C D
Seat (with front side air bag)	<p>If the front LH or front RH side air bag modules have NOT deployed:</p> <ol style="list-style-type: none"> 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. <ul style="list-style-type: none"> - 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 seat back is damaged, the front seat back assembly must be replaced. 	E F
Center inner pillar	<ol style="list-style-type: none"> 1. Check the center inner pillar on the collision side for damage (dents, cracks, deformation, etc.). 2. If damaged – REPAIR the center inner pillar. 	G
Trim/headlining	<ol style="list-style-type: none"> 1. Check for visible signs of damage (dents, cracks, deformation, etc.) of the interior trim on the collision side. 2. If damaged – REPLACE the damaged trim parts. 	SR
Door-mounted curtain air bag module LH	<p>If the door-mounted curtain air bag LH has NOT deployed:</p> <ol style="list-style-type: none"> 1. Check for visible signs of damage (dents, tears, deformation, etc.) of the door finisher on the collision side. 2. If damaged – REPLACE the door finisher LH with new fasteners. 3. Check for visible signs of damaged (tears etc.) of the door-mounted curtain air bag module LH. 4. Check harness and connectors for damage, and terminals for deformities. 5. If no damage is found, reinstall door finisher. <p>CAUTION: When removing door-mounted curtain air bag module from door finisher, never reuse door finisher.</p> <ol style="list-style-type: none"> 6. If damaged – REPLACE the door finisher LH and door-mounted curtain air bag module LH with new fasteners. <p>CAUTION: Before disposing of such systems, deploy the systems.</p>	I J K L

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COLLISION DIAGNOSIS

< BASIC INSPECTION >

Part	Inspection
Door-mounted curtain air bag module RH	<p>If the door-mounted curtain air bag RH has NOT deployed:</p> <ol style="list-style-type: none"> 1. Check for visible signs of damage (dents, tears, deformation, etc.) of the door finisher on the collision side. 2. If damaged – REPLACE the door finisher RH with new fasteners. 3. Check for visible signs of damage (tears etc.) of the door-mounted curtain air bag module RH. 4. Check harness and connectors for damage, and terminals for deformities. 5. If no damage is found, reinstall door finisher. CAUTION: When removing door-mounted curtain air bag module from door finisher, never reuse door finisher. 6. If damaged – REPLACE the door finisher RH and door-mounted curtain air bag module RH with new fasteners. CAUTION: Before disposing of such systems, deploy the systems.
Pop-up roll bar	<p>If the pop-up roll bar has NOT deployed:</p> <ol style="list-style-type: none"> 1. Check for visible signs of damage (dents, tears, deformation, etc.) of the pop-up roll bar. 2. If damaged – REPLACE the pop-up roll bar with new fasteners. 3. Check harness and connectors for damage, and terminals for deformities. 4. If no damage is found, reinstall the pop-up roll bar with new fasteners. 5. Check for visible signs of damage (dents, cracks, deformation, etc.) of the seatback support brace assembly. 6. If damaged – REPAIR the seatback support brace assembly. CAUTION: Before disposing of such systems, deploy the systems.

DRIVER AIR BAG MODULE

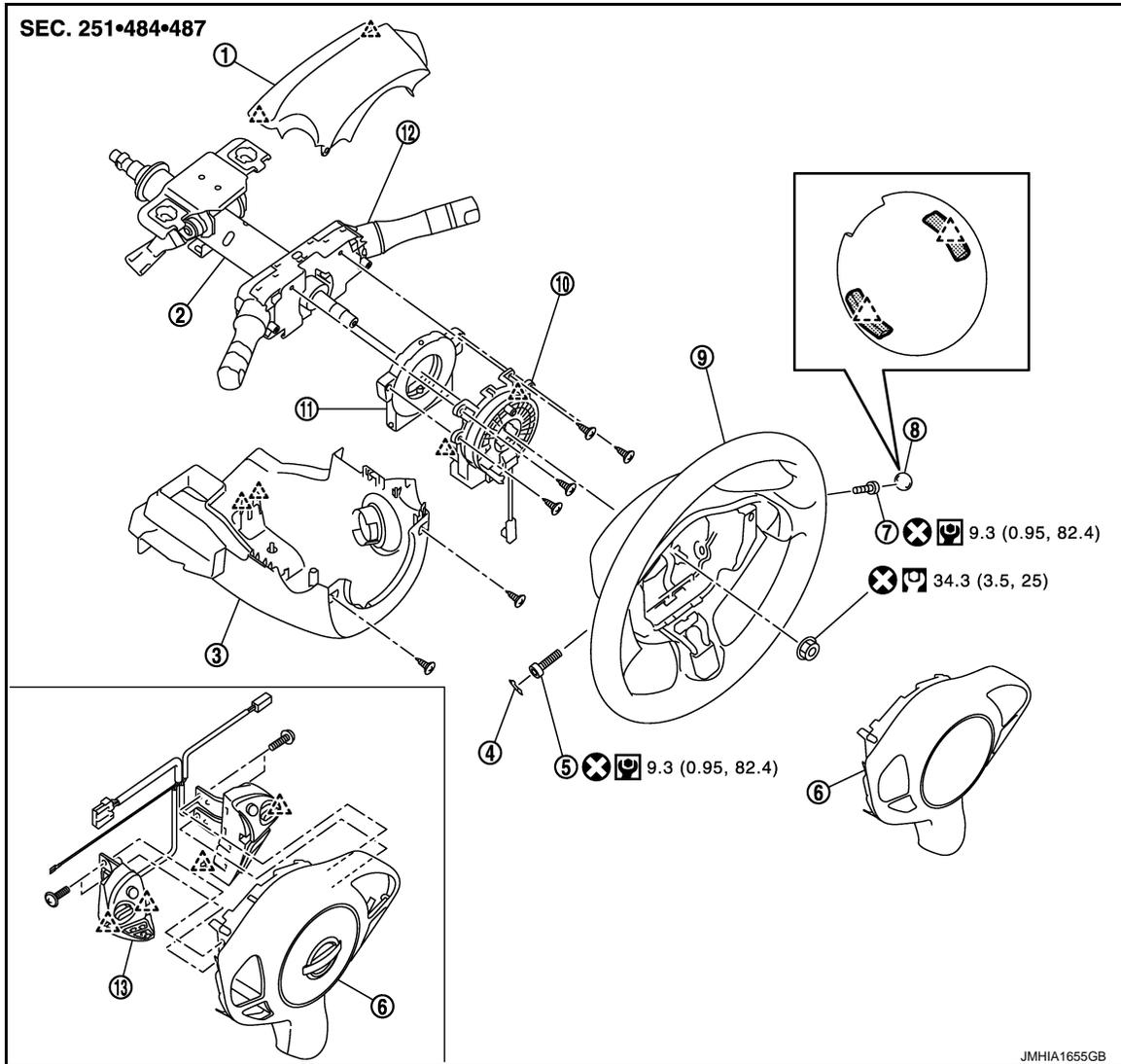
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

DRIVER AIR BAG MODULE

Exploded View

INFOID:000000006300499



- | | | |
|--------------------------------|-----------------------------|--------------------------------|
| 1. Steering column upper cover | 2. Steering column assembly | 3. Steering column lower cover |
| 4. Side lid LH | 5. TORX bolt | 6. Driver air bag module |
| 7. TORX bolt | 8. Side lid RH | 9. Steering wheel |
| 10. Spiral cable | 11. Steering angle sensor | 12. Combination switch |
| 13. Steering switch | | |

: Pawl

: Do not reuse

: N·m (kg-m, in-lb)

: N·m (kg-m, ft-lb)

Removal and Installation

INFOID:000000006300500

WARNING:

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DRIVER AIR BAG MODULE

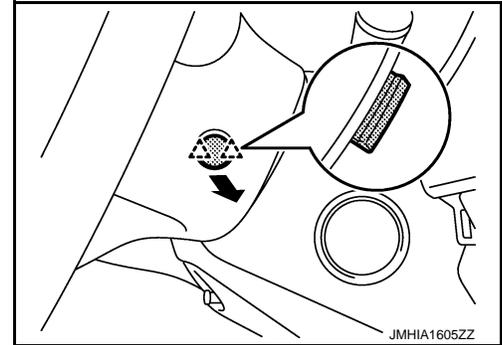
< REMOVAL AND INSTALLATION >

- 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 in front of it.
- Never use the air tools or electric tools for servicing.

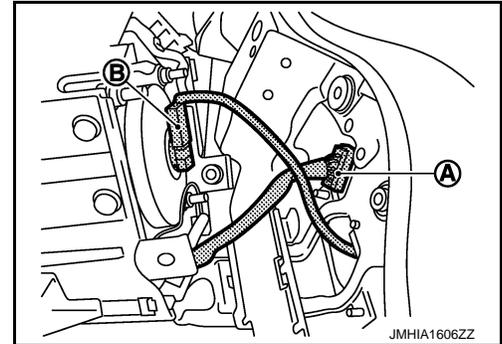
REMOVAL

1. Remove side lid (LH and RH).
Insert flat-bladed screwdriver between side lid and steering wheel to disengage pawls as shown in the figure.

 : Pawl

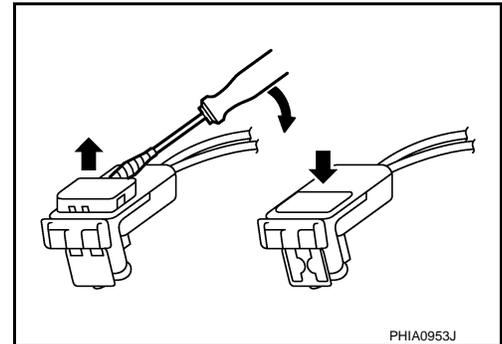


2. Remove TORX bolts (LH and RH) from the steering wheel lower side.
3. Pull out driver air bag module.
4. Disconnect spiral cable harness connector (A).
5. Disconnect driver air bag harness connector (B).



CAUTION:

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

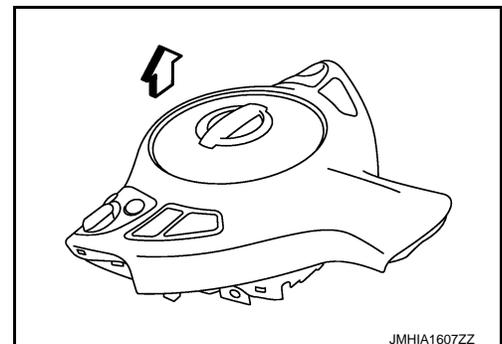


6. Remove driver air bag module.

CAUTION:

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

 : Upward



DRIVER AIR BAG MODULE

< REMOVAL AND INSTALLATION >

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



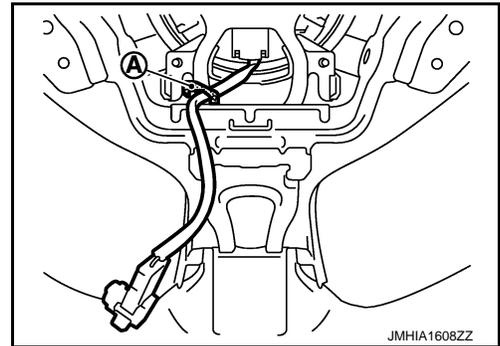
- Never insert any foreign objects (screwdriver, etc.) into the driver air bag module.
- Never disassemble the driver air bag module.
- Never expose the driver air bag module to temperatures exceeding 90 °C (194 °F).
- Never allow oil, grease, detergent, or water to come in contact with the driver air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

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Never use the old TORX bolts after removal, replace with the new TORX bolts.
- Fix the driver air bag module harnesses to the harness fixing hook (A).



- 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 [SRC-12. "On Board Diagnosis Function"](#) or [SRC-16. "CONSULT-III Function"](#).
- After the work is complete, check that no system malfunction is detected by air bag warning lamp.

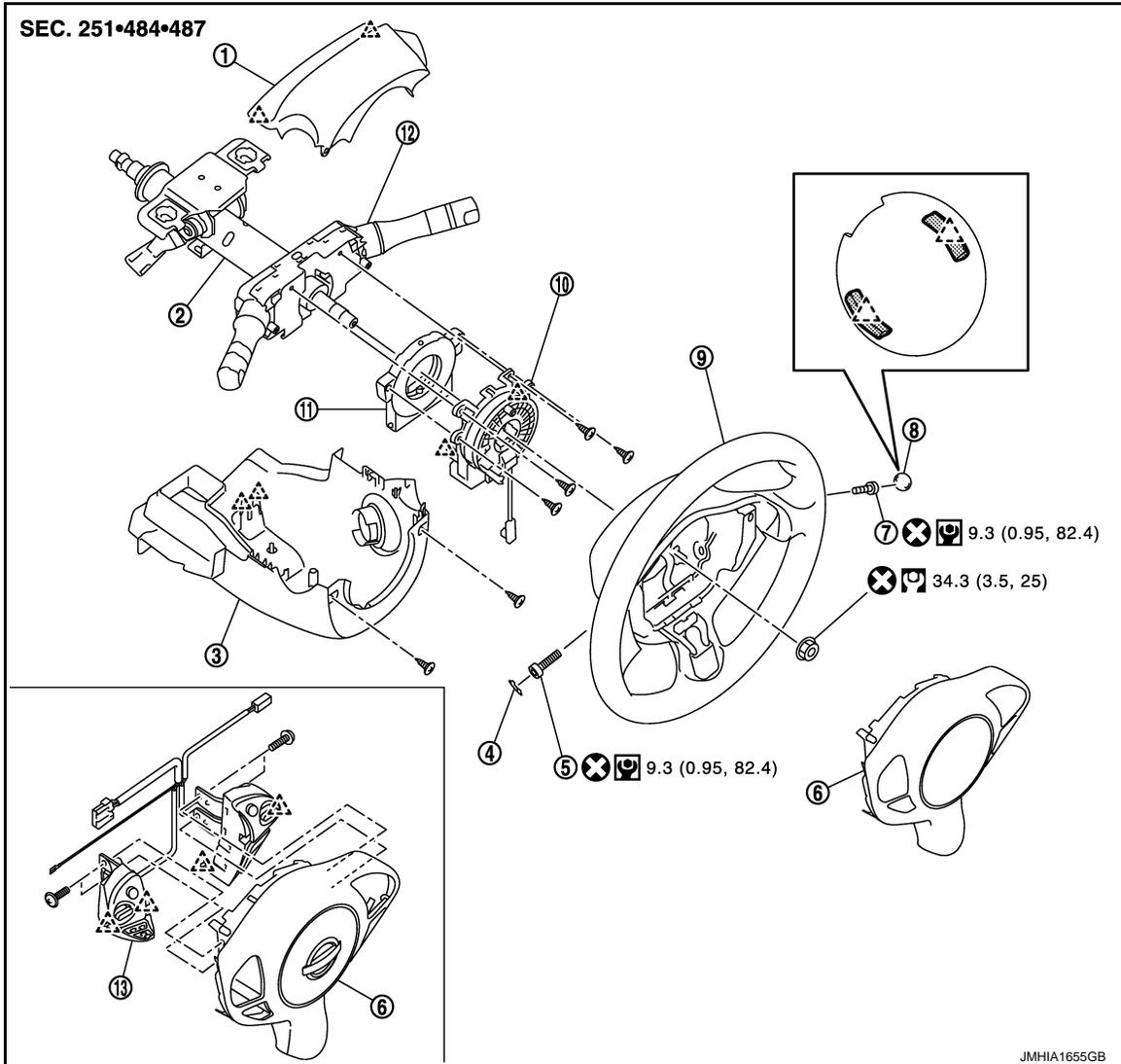
SPIRAL CABLE

< REMOVAL AND INSTALLATION >

SPIRAL CABLE

Exploded View

INFOID:000000006418032



- | | | |
|--------------------------------|-----------------------------|--------------------------------|
| 1. Steering column upper cover | 2. Steering column assembly | 3. Steering column lower cover |
| 4. Side lid LH | 5. TORX bolt | 6. Driver air bag module |
| 7. TORX bolt | 8. Side lid RH | 9. Steering wheel |
| 10. Spiral cable | 11. Steering angle sensor | 12. Combination switch |
| 13. Steering switch | | |

: Pawl

: Do not reuse

: N·m (kg-m, in-lb)

: N·m (kg-m, ft-lb)

Removal and Installation

INFOID:000000006300502

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.

SPIRAL CABLE

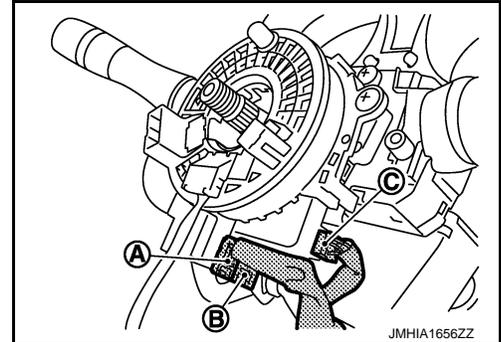
< REMOVAL AND INSTALLATION >

REMOVAL

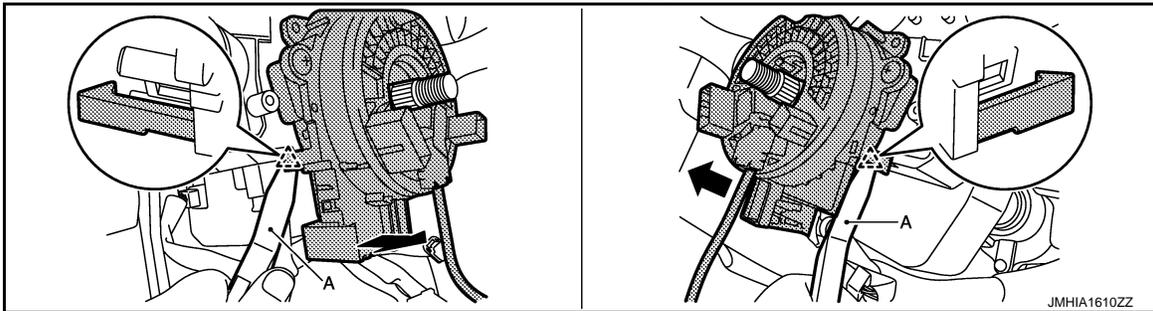
1. Remove driver air bag module. Refer to [SR-13, "Removal and Installation"](#).
2. Remove steering wheel. Refer to [ST-9, "Removal and Installation"](#).
3. Remove steering column upper cover and steering column lower cover. Refer to [IP-13, "Removal and Installation"](#).
4. Disconnect the spiral cable body side harness connectors (A), (B) and steering angle sensor harness connectors (C).

NOTE:

Disconnect the spiral cable body side harness connector (B) after removing the spiral cable (A).



5. Remove the spiral cable fixing screws.
6. Remove the spiral cable fixing pawls with remover tool (A).



 : Pawl

CAUTION:

Remove pawls slowly so that they are not damaged.

7. Remove the steering angle sensor. Refer to [BRC-236, "Removal and Installation"](#).

CAUTION:

- Never impact the spiral cable.
- Replace the spiral cable if it is dropped or sustains an impact.



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

INSTALLATION

Note the following items, and then install in the reverse order of removal.

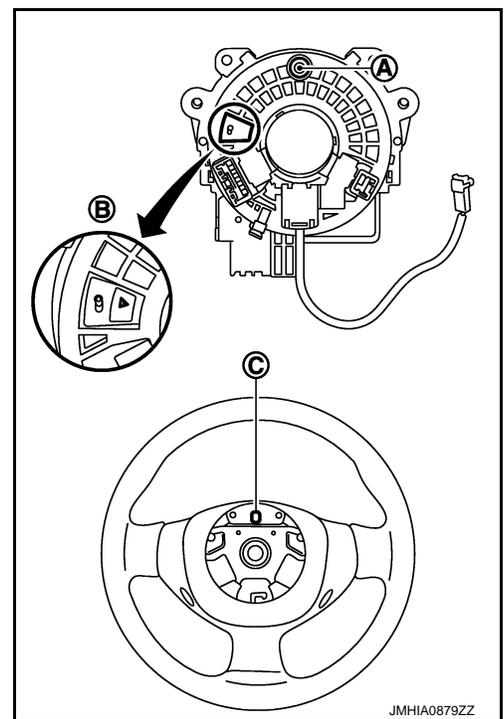
CAUTION:

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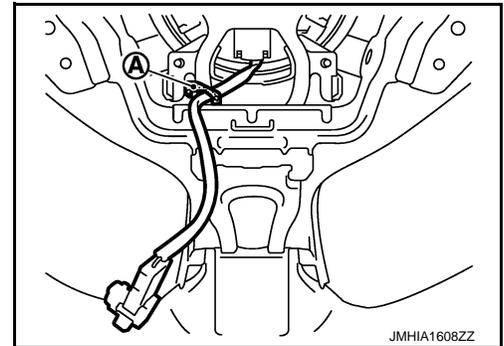
SPIRAL CABLE

< REMOVAL AND INSTALLATION >

- The spiral cable may snap during steering operation if the cable is installed in an improper position.
The neutral position is set as per the following.
- Carefully turn the spiral cable clockwise to the end position. Then turn it counterclockwise (about 2 and a half turns) and stop turning at the mark (B) when 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 over turn the spiral cable or go beyond the number of turns required. (This causes the cable to snap)
- Adjust the spiral cable locating pin (A) to the steering wheel locating pin hole (C).



- Fix the driver air bag module harnesses to the harness fixing hook (A).



- 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 [SRC-12. "On Board Diagnosis Function"](#) or [SRC-16. "CONSULT-III Function"](#).
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.

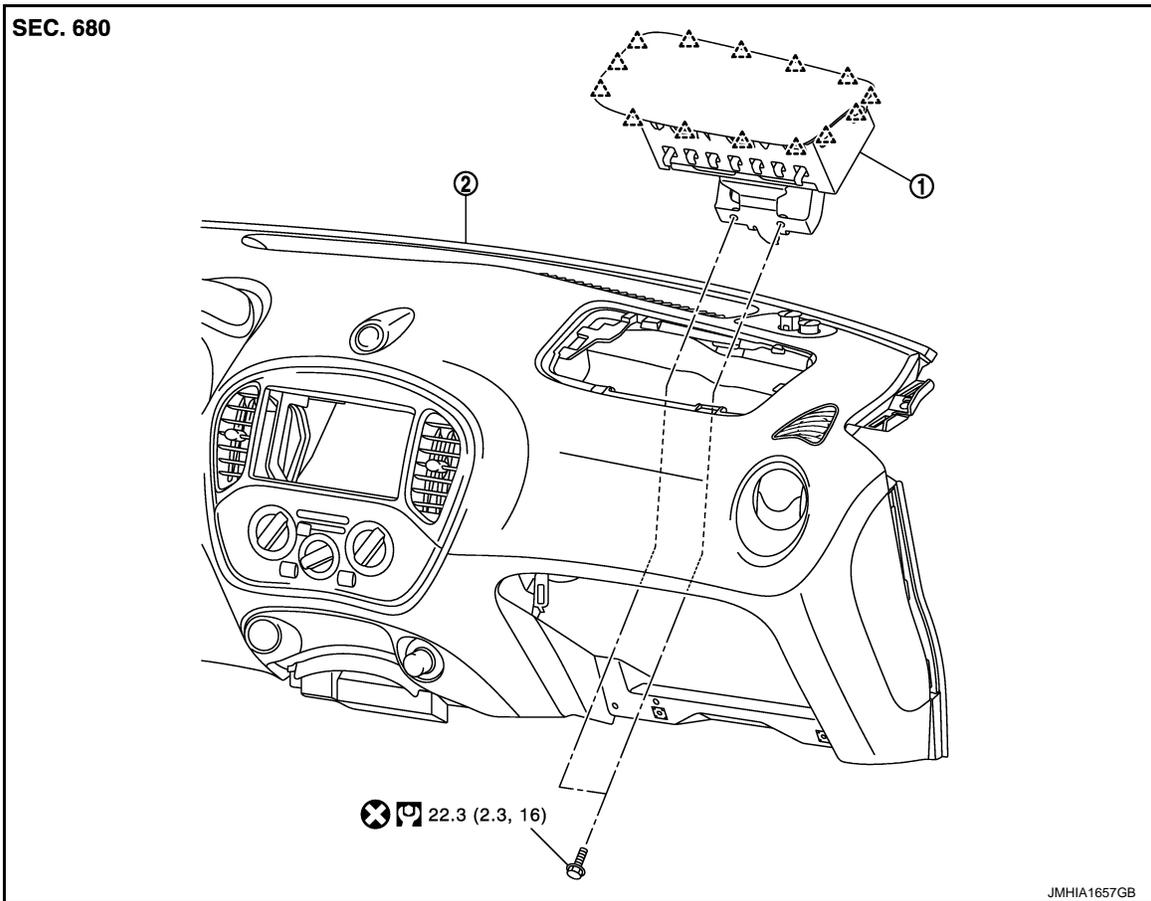
FRONT PASSENGER AIR BAG MODULE

< REMOVAL AND INSTALLATION >

FRONT PASSENGER AIR BAG MODULE

Exploded View

INFOID:000000006300503



1. Front passenger air bag module 2. Instrument panel assembly

△ : Pawl

⊗ : Do not reuse

⊞ : N-m (kg-m, ft-lb)

Removal and Installation

INFOID:000000006300504

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 in front of it.
- Never use the air tools or the electric tools for servicing.

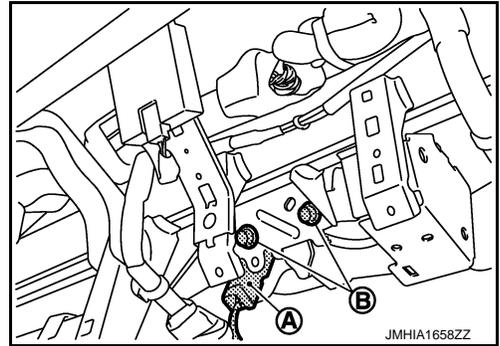
REMOVAL

1. Remove instrument side finisher RH, glove box lid, and glove box assembly. Refer to [IP-13, "Removal and Installation"](#).

FRONT PASSENGER AIR BAG MODULE

< REMOVAL AND INSTALLATION >

2. Disconnect front passenger air bag module harness connector (A) from front passenger air bag module.
3. Remove front passenger air bag module fixing bolts (B).

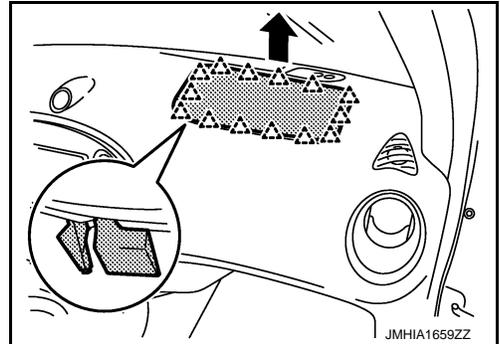


4. Put a hand to back of instrument panel (glove box opening), disengage connections of the passenger air bag module pawls from the inside of the vehicle toward the outside, and remove.

CAUTION:

- Never insert a remover tool between passenger air bag module and instrument panel assembly. Doing so may cause damage.
- Wear gloves.

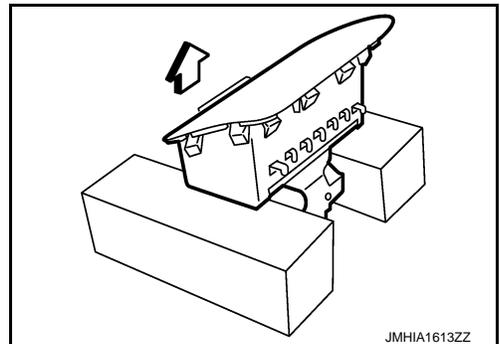
 : Pawl



CAUTION:

- Always place the front passenger air bag module with pad side facing upward.

 : 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 the front passenger air bag module.
- Never disassemble the front passenger air bag module.
- Never expose the front passenger air bag module to temperatures exceeding 90 °C (194 °F).
- Never allow oil, grease, detergent, or water to come in contact with the front passenger air bag module.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Never use the old fixing bolts after removal, replace with the new bolts.
- Never damage the harness while installing.

FRONT PASSENGER AIR BAG MODULE

< REMOVAL AND INSTALLATION >

- 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 [SRC-12, "On Board Diagnosis Function"](#) or [SRC-16, "CONSULT-III Function"](#).
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.

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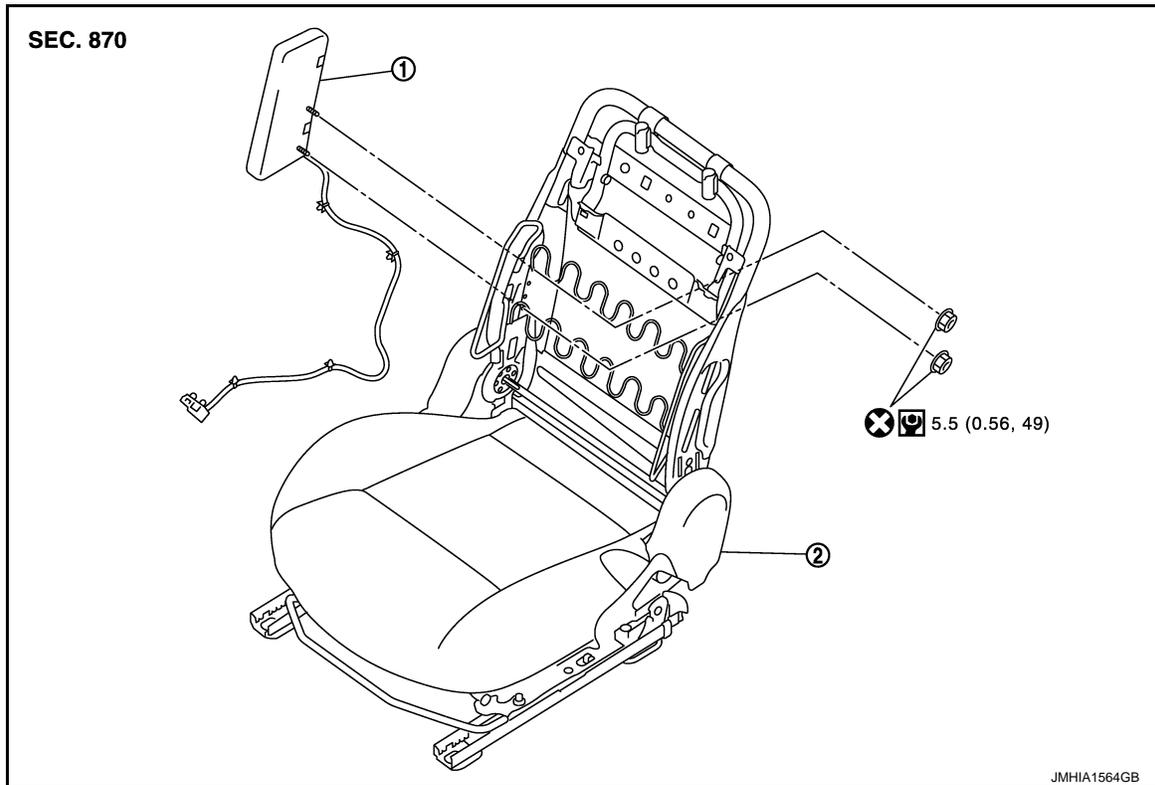
SIDE AIR BAG MODULE

< REMOVAL AND INSTALLATION >

SIDE AIR BAG MODULE

Exploded View

INFOID:000000006300505



1. Side air bag module
2. Front seat assembly

⊗ : Do not reuse

⊙ : N-m (kg-m, in-lb)

Removal and Installation

INFOID:000000006300506

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 in front of it.
- Never use the air tools or electric tools for servicing.

REMOVAL

1. Remove front seat assembly.
 - 2WD models: Refer to [SE-19, "Removal and Installation"](#).
 - 4WD models: Refer to [SE-27, "Removal and Installation"](#).
2. Remove seatback trim and pad.
 - 2WD models: Refer to [SE-19, "SEATBACK : Disassembly and Assembly"](#).
 - 4WD models: Refer to [SE-27, "SEATBACK : Disassembly and Assembly"](#).
3. Remove side air bag module from seatback trim.

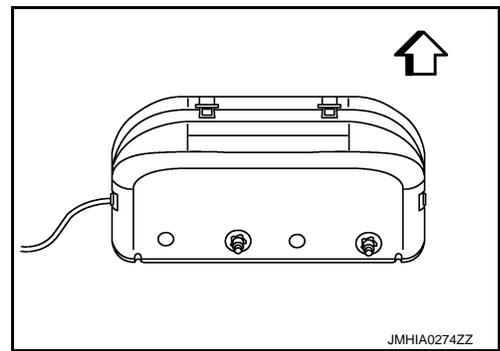
CAUTION:

SIDE AIR BAG MODULE

< REMOVAL AND INSTALLATION >

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

↕ : Upward



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



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

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Never use the old fixing nuts after removal, replace with the new nuts.
- Never damage the air bag harness.
- 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 [SRC-12. "On Board Diagnosis Function"](#) or [SRC-16. "CONSULT-III Function"](#).
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.

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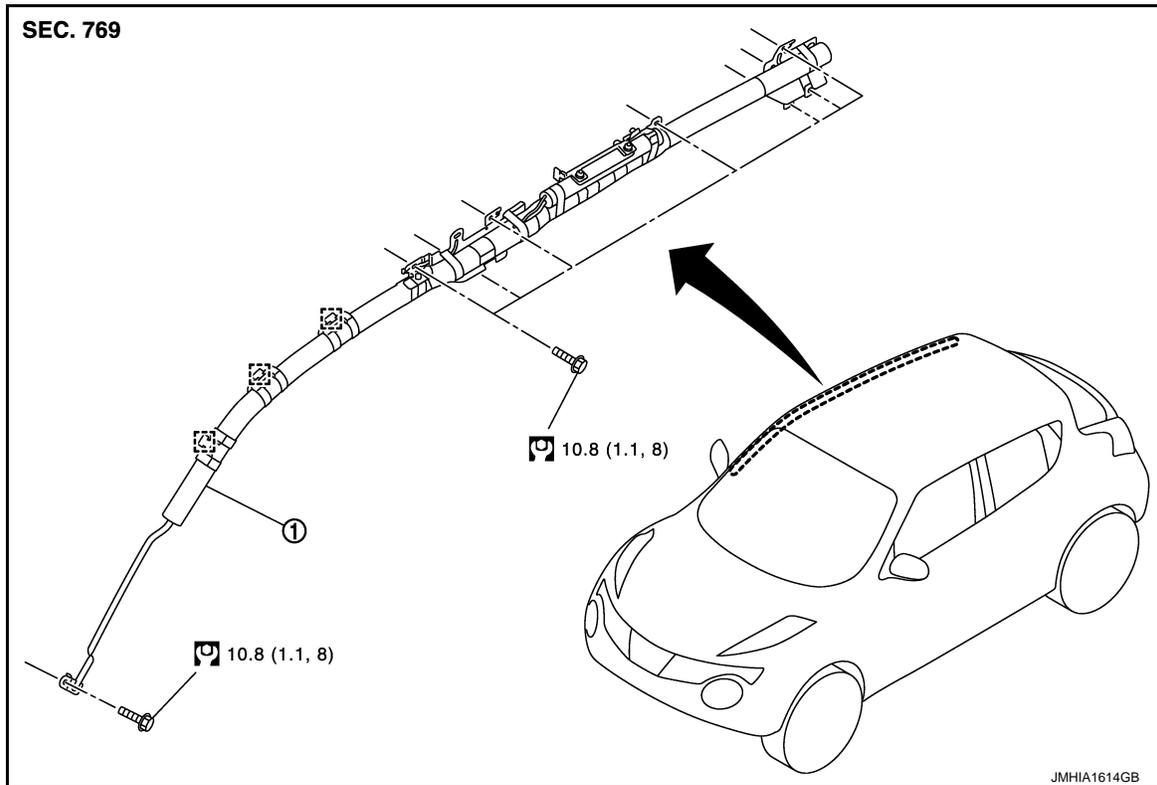
SIDE CURTAIN AIR BAG MODULE

< REMOVAL AND INSTALLATION >

SIDE CURTAIN AIR BAG MODULE

Exploded View

INFOID:000000006300507



1. Side curtain air bag module

 : Metal clip

 : N-m (kg-m, ft-lb)

Removal and Installation

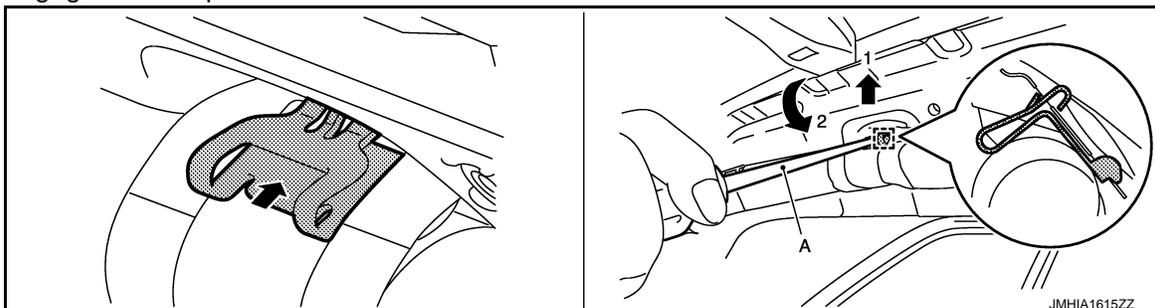
INFOID:000000006300508

WARNING:

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

REMOVAL

1. Remove headlining assembly. Refer to [INT-26, "Removal and Installation"](#).
2. Remove the curtain air bag module mounting bolt that is located on the front pillar.
3. Disengage metal clips on the front roof.



1. Fully insert a flat-bladed screwdriver (A) into center of metal clip.

SIDE CURTAIN AIR BAG MODULE

< REMOVAL AND INSTALLATION >

2. Lift the flat-bladed screwdriver upward as shown in the figure and disengage upper side of metal clip.
3. Rotate the flat-bladed screwdriver as shown in the figure and disengage lower side of metal clip.

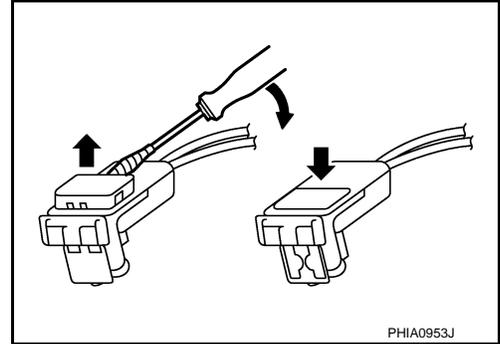
 : Metal clip

CAUTION:
Never deform metal clip.

4. Disconnect side curtain air bag harness connector.

CAUTION:

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



5. Remove the curtain air bag module mounting bolts that are located on the rear pillar.
6. Remove the curtain air bag module mounting bolts that are located on the center pillar.
7. Remove the curtain air bag module mounting bolts that are located on the inflator, and then remove curtain air bag module.

CAUTION:

- 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 the side curtain air bag module.
- Never disassemble the 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

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Insert metal clips of front roof until a locking sound is heard. Pull metal clips and check that it is fully locked to the vehicle body.
- Check perforation of curtain air bag module to check that curtain air bag module is not twisted.
- 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 [SRC-12. "On Board Diagnosis Function"](#) or [SRC-16. "CONSULT-III Function"](#).
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.

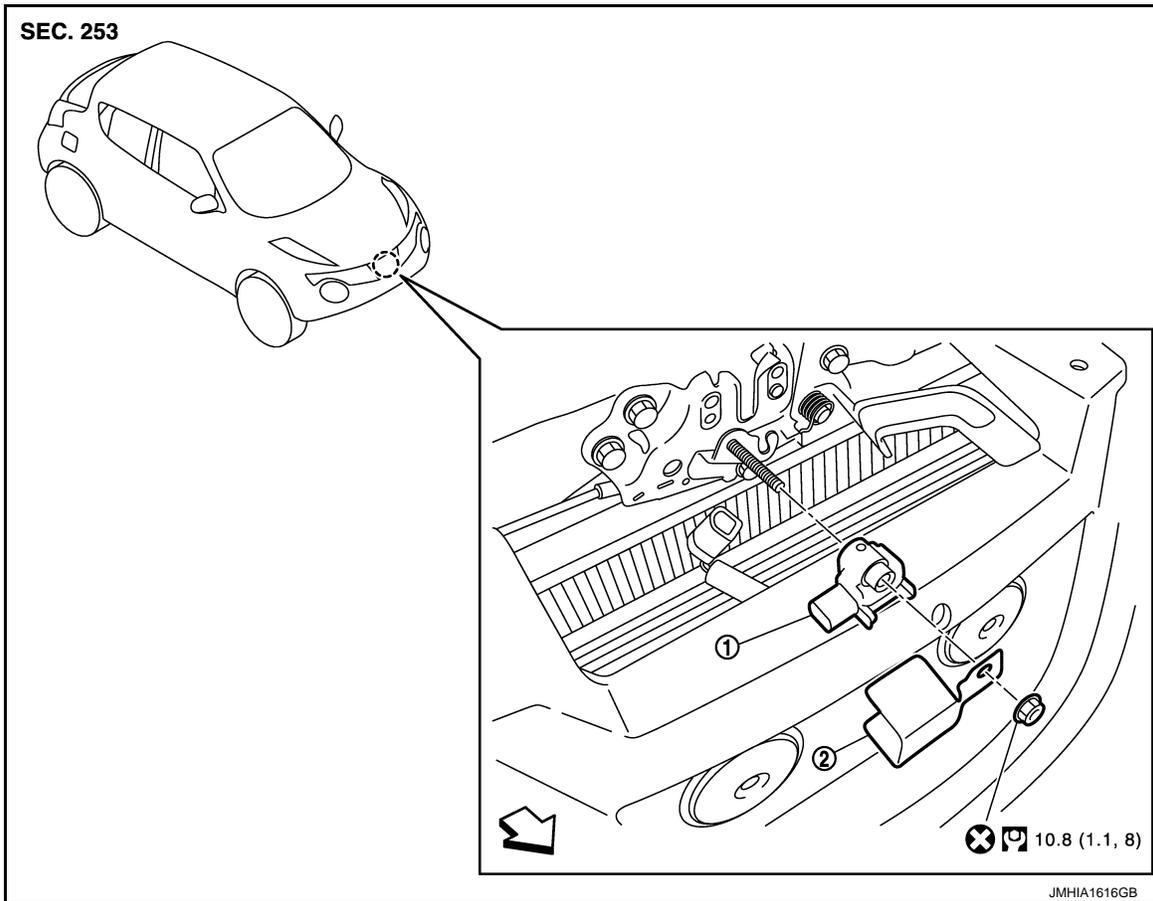
CRASH ZONE SENSOR

< REMOVAL AND INSTALLATION >

CRASH ZONE SENSOR

Exploded View

INFOID:000000006300509



1. Crash zone sensor

2. Bracket

↔ : Vehicle front

⊗ : Do not reuse

⊞ : N·m (kg·m, ft·lb)

Removal and Installation

INFOID:000000006300510

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

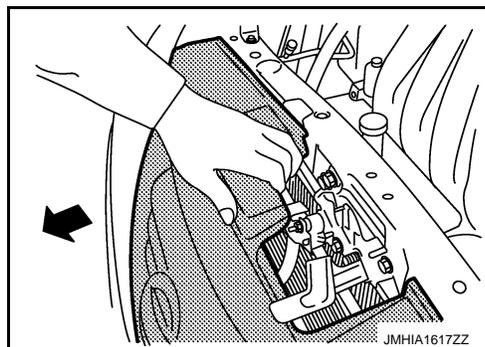
1. Remove front center grille fixing clips. Refer to [EXT-18, "Removal and Installation"](#).

CRASH ZONE SENSOR

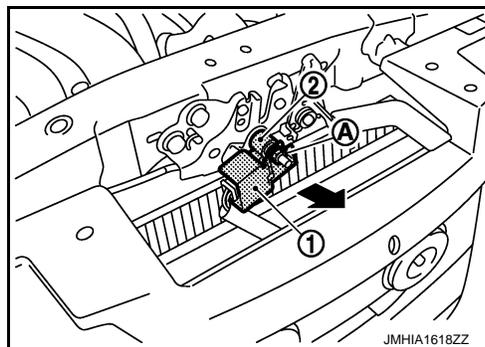
< REMOVAL AND INSTALLATION >

2. Pull back front center grille, it makes work space.

↩ : Vehicle front



3. Remove the crash zone sensor fixing nuts (A), and then pull the bracket (1) and crash zone sensor (2) for vehicle front.



4. Disconnect the crash zone sensor harness connector, and then remove 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 driver air bag, deployed front passenger air bag, seat belt pre-tensioner and deployed lap pre-tensioner.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Never use the old fixing nut after removal, replace with the new nut.
- Never damage the harness while installing.
- Always install normally aligning to the cutout hole, because performance of the crash zone sensor excessively fluctuates according to the installation position.
- 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 [SRC-12, "On Board Diagnosis Function"](#) or [SRC-16, "CONSULT-III Function"](#).
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.

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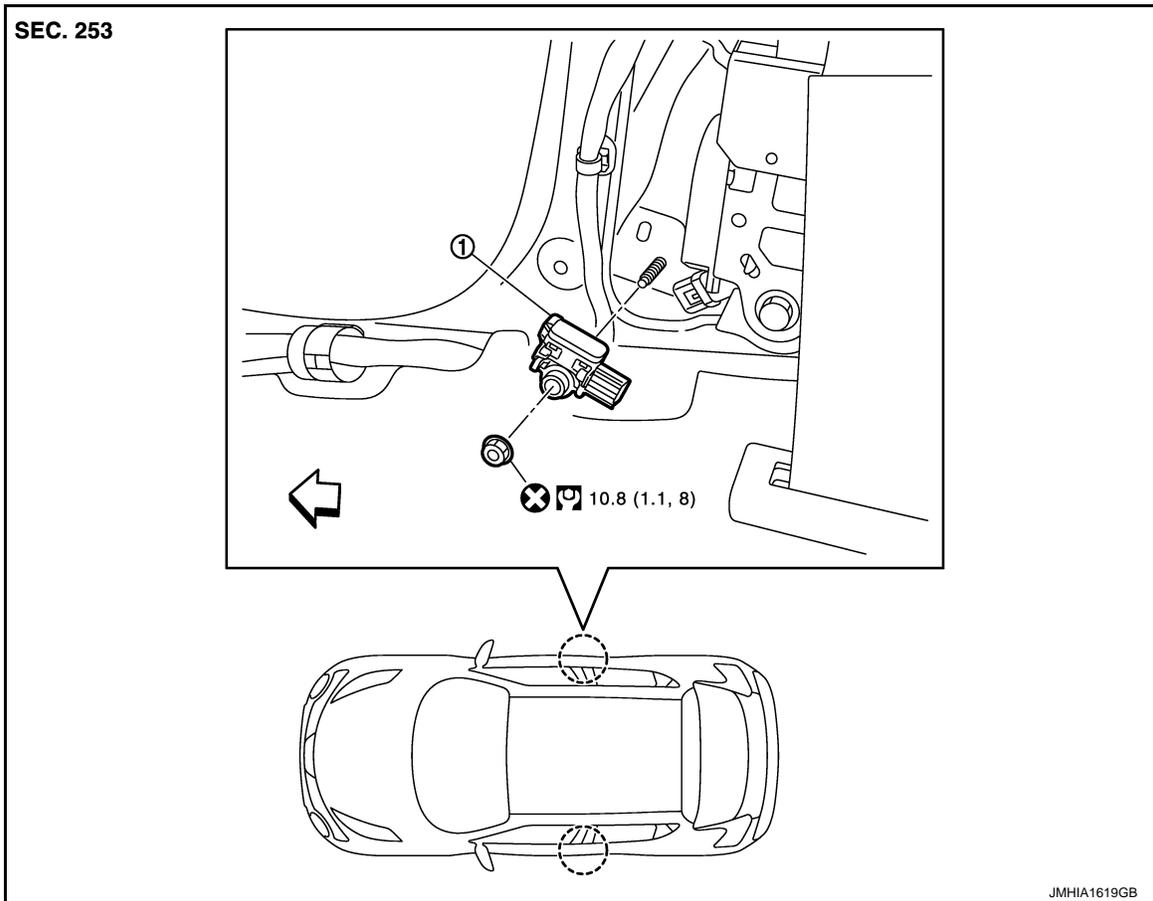
SIDE AIR BAG (SATELLITE) SENSOR

< REMOVAL AND INSTALLATION >

SIDE AIR BAG (SATELLITE) SENSOR

Exploded View

INFOID:000000006300511



- 1. Satellite sensor
- ← : Vehicle front
- ⊗ : Do not reuse
- ⌚ : N·m (kg-m, ft-lb)

Removal and Installation

INFOID:000000006300512

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.

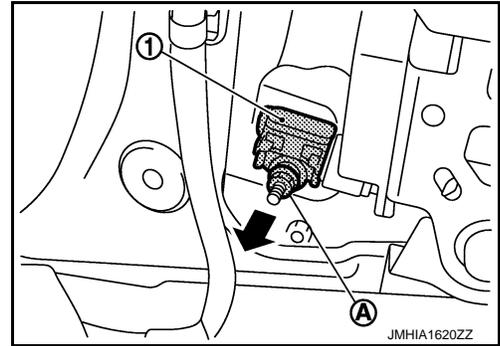
REMOVAL

1. Remove the center pillar lower garnish. Refer to [INT-20, "CENTER PILLAR LOWER GARNISH : Removal and Installation"](#).

SIDE AIR BAG (SATELLITE) SENSOR

< REMOVAL AND INSTALLATION >

2. Remove the side air bag (satellite) sensor fixing nut (A), and then pull the side air bag (satellite) sensor (1).



3. Disconnect the harness connector and then 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 module and deployed SRS side curtain air bag module.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Never use the old fixing nut after removal, replace with the new nut.
- Never damage the harness while installing.
- Always install normally aligning to the cutout hole, because performance of the side air bag (satellite) sensor excessively fluctuates according to the installation position.
- 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 [SRC-12, "On Board Diagnosis Function"](#) or [SRC-16, "CONSULT-III Function"](#).
- After the work is completed, check that no system malfunction is detected by air bag warning lamp.

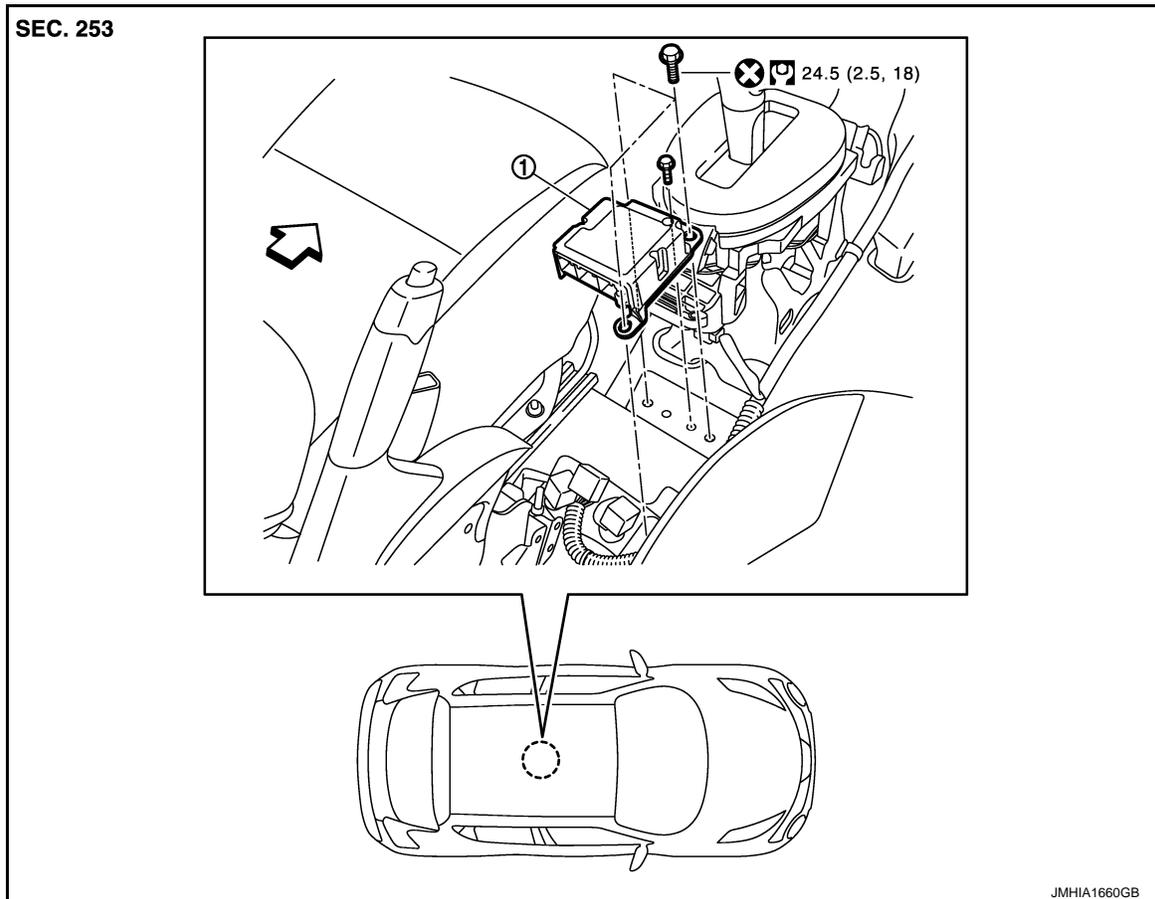
DIAGNOSIS SENSOR UNIT

< REMOVAL AND INSTALLATION >

DIAGNOSIS SENSOR UNIT

Exploded View

INFOID:000000006300514



1. Diagnosis sensor unit

← : Vehicle front

⊗ : Do not reuse

⌚ : N·m (kg·m, ft·lb)

Removal and Installation

INFOID:000000006300515

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.

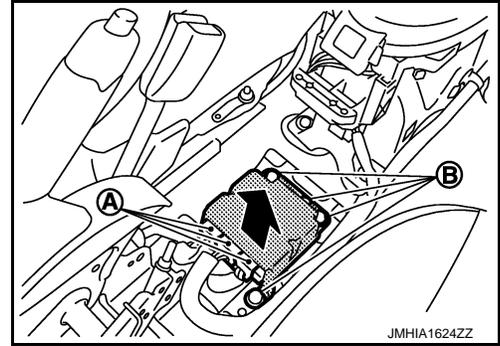
REMOVAL

1. Always check the air bag diagnosis sensor unit ECU discriminated number (identification number) using CONSULT-III.
2. Disconnect the each connector of all air bag modules and pre-tensioner seat belts.

DIAGNOSIS SENSOR UNIT

< REMOVAL AND INSTALLATION >

3. Remove the center console assembly. Refer to [IP-23. "Removal and Installation"](#).
4. Disconnect the diagnosis sensor unit harness connectors (A).
5. Remove the diagnosis sensor unit mounting bolts (B), and then 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

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Never use the old bolts after removal, replace with the new bolts.
- 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 [SRC-12. "On Board Diagnosis Function"](#) or [SRC-16. "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.

SEAT BELT PRE-TENSIONER

< REMOVAL AND INSTALLATION >

SEAT BELT PRE-TENSIONER

Exploded View

INFOID:000000006300539

Refer to [SB-4. "Exploded View"](#).

Removal and Installation

INFOID:000000006300540

For removal and installation procedures, refer to [SB-5. "SEAT BELT RETRACTOR : Removal and Installation"](#).

LAP PRE-TENSIONER

< REMOVAL AND INSTALLATION >

LAP PRE-TENSIONER

Exploded View

INFOID:000000006300541

Refer to [SB-4, "Exploded View"](#).

Removal and Installation

INFOID:000000006300542

For removal and installation procedures, refer to [SB-5, "SEAT BELT RETRACTOR : Removal and Installation"](#).

- A
- B
- C
- D
- E
- F
- G
- SR
- I
- J
- K
- L
- M
- N
- O
- P

DISPOSAL OF AIR BAG MODULE

< REMOVAL AND INSTALLATION >

DISPOSAL OF AIR BAG MODULE

DRIVER AIR BAG MODULE

DRIVER AIR BAG MODULE : Deployment

INFOID:000000006300527

CHECKING DEPLOYMENT TOOL

Connecting to Battery

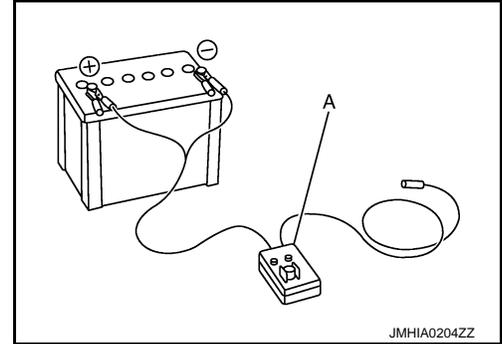
CAUTION:

The battery must show voltage of 9.6 V or more.

Remove the battery from the vehicle and place it on dry wood blocks approximately 5.0 m (16.4 ft) away from the vehicle.

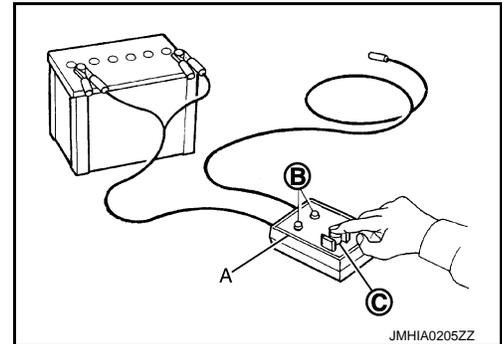
- Wait 3 minutes after the vehicle battery is disconnected before proceeding.
- Connect red clip of deployment tool (A) to battery positive terminal and black clip to negative terminal.

Check that the polarity is correct. The right side lamp in the tool, marked “deployment tool power”, should illuminate with a green light. If the right side lamp illuminates red, reverse the connections to the battery.



Deployment Tool Check

Press the deployment tool switch (C) to the ON position. The left side lamp in the tool, marked “air bag connector voltage” should illuminate (B). If it does not illuminate, replace the deployment tool (A).



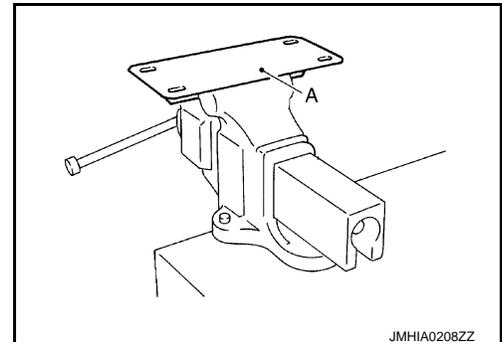
Air Bag Deployment Tool Lamp Illumination Chart (Battery Connected)

Switch operation	Left side lamp, green* “AIR BAG CONNECTOR VOLTAGE”	Right side lamp, green* “DEPLOYMENT TOOL POWER”
OFF	OFF	ON
ON	ON	ON

*: If this lamp illuminates red, the tool is connected to the battery incorrectly. Reverse the connections and check that the lamp illuminates green.

DEPLOYMENT OF DRIVER AIR BAG MODULE (OUTSIDE OF VEHICLE)

1. Unless the vehicle is being scrapped, deploying the air bag in the vehicle is not recommended. This may cause damage to the vehicle interior.
Anchor air bag module bracket (SST: KV99105300) (A) in a vice secured to a firm foundation deployment.



DISPOSAL OF AIR BAG MODULE

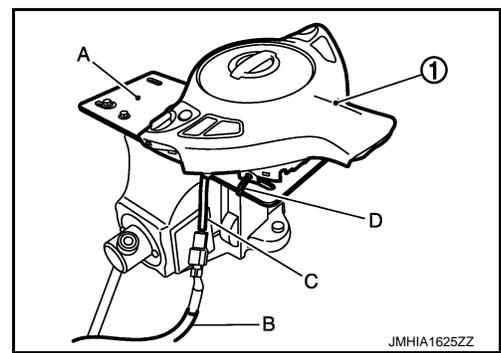
< REMOVAL AND INSTALLATION >

- Using wire (D), secure driver air bag module (1) to air bag module bracket (SST: KV99105300) (A) at two places.

CAUTION:

Use wire of at least 1.0 mm (0.039 in) diameter.

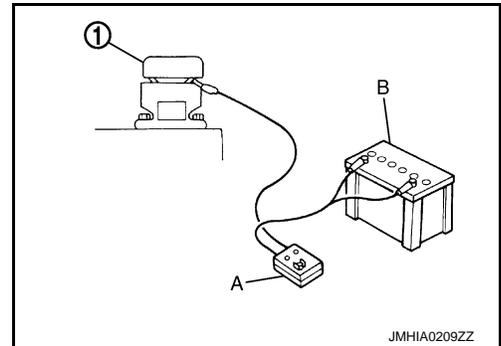
- Firmly secure air bag module bracket (SST: KV99105300) with driver air bag module attached, in a vise.
- Connect deployment tool adapter (SST: KV99110500) (C) to driver air bag module and deployment tool connector (SST: KV99106400) (B).



- Connect red clip of deployment tool (A) to battery positive terminal and black clip to negative terminal (B).
- The lamp on the right side of the tool, marked "deployment tool power", should illuminate green, not red.
- Press the button on the deployment tool. The left side lamp on the tool, marked "air bag connector voltage", illuminates and the air bag module (1) deploys.

CAUTION:

When deploying the driver air bag module, stand at least 5.0 m (16.4 ft) away from the air bag module.



DRIVER AIR BAG MODULE : Disposal

INFOID:000000006300528

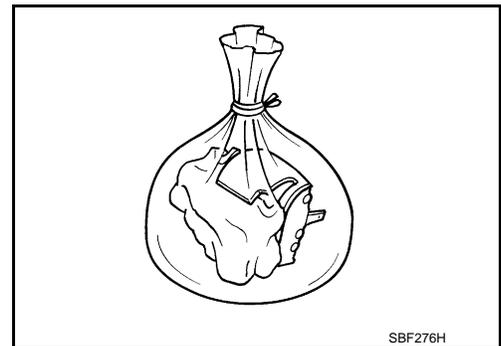
SR

DISPOSING OF AIR BAG MODULE AND SEAT BELT PRE-TENSIONER

Deployed air bag module, seat belt pre-tensioner, and lap pre-tensioner are very hot. Before disposing of air bag module and seat belt pre-tensioner, wait at least 30 minutes, and 10 minutes, respectively. Seal them in a plastic bag before disposal.

CAUTION:

- Never apply water to a deployed air bag module or seat belt pre-tensioner or lap pre-tensioner.
- Wear gloves when handling a deployed air bag module or seat belt pre-tensioner or lap pre-tensioner.
- No poisonous gas is produced upon air bag module deployment. However, be careful not to inhale gas since it irritates the throat and can cause choking.
- Never disassemble air bag module, seat belt pre-tensioner and lap pre-tensioner.
- Air bag module, seat belt pre-tensioner and lap pre-tensioner cannot be reused.
- Wash your hands clean after the work is complete.



FRONT PASSENGER AIR BAG MODULE

FRONT PASSENGER AIR BAG MODULE : Deployment

INFOID:000000006300529

CHECKING DEPLOYMENT TOOL

Connecting to Battery

CAUTION:

DISPOSAL OF AIR BAG MODULE

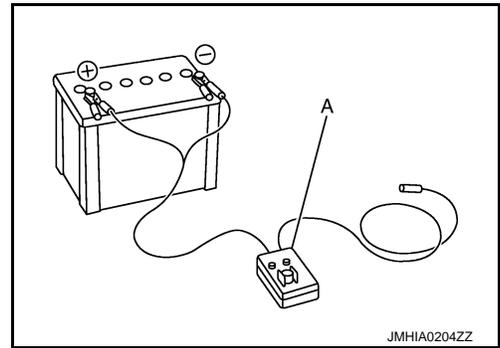
< REMOVAL AND INSTALLATION >

The battery must show voltage of 9.6 V or more.

Remove the battery from the vehicle and place it on dry wood blocks approximately 5.0 m (16.4 ft) away from the vehicle.

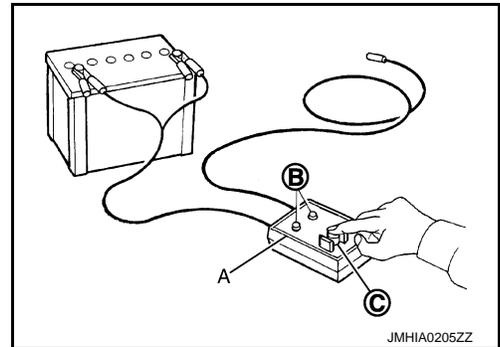
- Wait 3 minutes after the vehicle battery is disconnected before proceeding.
- Connect red clip of deployment tool (A) to battery positive terminal and black clip to negative terminal.

Check that the polarity is correct. The right side lamp in the tool, marked “deployment tool power”, should illuminate with a green light. If the right side lamp illuminates red, reverse the connections to the battery.



Deployment Tool Check

Press the deployment tool switch (C) to the ON position. The left side lamp in the tool, marked “air bag connector voltage” should illuminate (B). If it does not illuminate, replace the deployment tool (A).



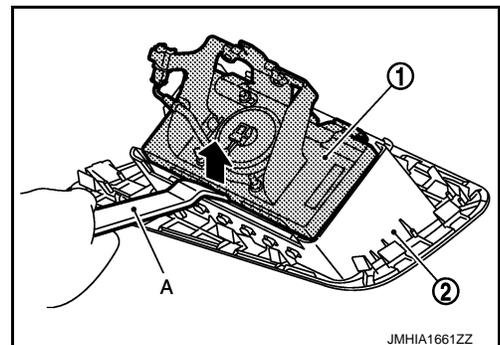
Air Bag Deployment Tool Lamp Illumination Chart (Battery Connected)

Switch operation	Left side lamp, green* “AIR BAG CONNECTOR VOLTAGE”	Right side lamp, green* “DEPLOYMENT TOOL POWER”
OFF	OFF	ON
ON	ON	ON

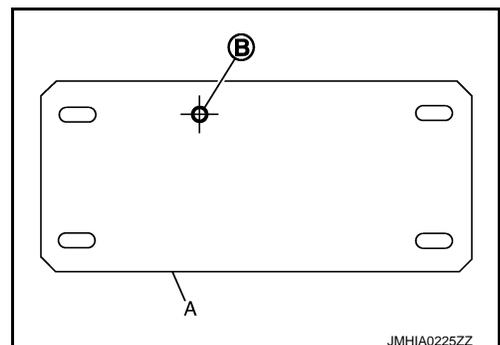
*: If this lamp illuminates red, the tool is connected to the battery incorrectly. Reverse the connections and check that the lamp illuminates green.

DEPLOYMENT OF FRONT PASSENGER AIR BAG MODULE (OUTSIDE OF VEHICLE)

1. Remove the front passenger air bag module (1) from lid (2) with remover tool (A).



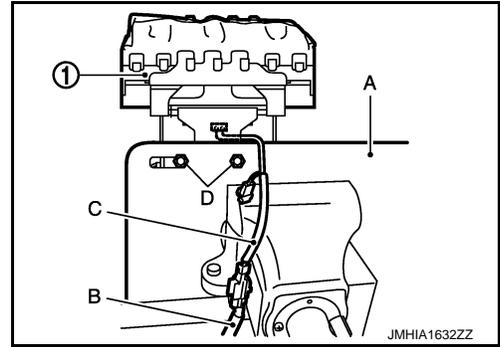
2. Make 8.5 mm (0.335 in) diameter hole (B) in air bag module bracket (SST: KV99105300) (A) at the position shown in figure.



DISPOSAL OF AIR BAG MODULE

< REMOVAL AND INSTALLATION >

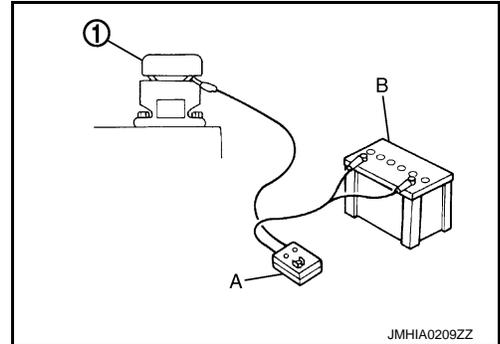
3. Firmly secure air bag module bracket (SST: KV99105300) (A) in a vise.
4. Insert two bolts (D) through air bag module bracket and front passenger air bag module (1) lower side holes, and fix them with two nuts.
5. Connect deployment tool (SST: KV99106400) (B) and deployment tool adapter (SST: KV99110500) (C) to front passenger air bag module.



6. Connect red clip of deployment tool (A) to battery positive terminal and black clip to negative terminal (B).
7. The lamp on the right side of the tool, marked "deployment tool power", should illuminate green, not red.
8. Press the button on the deployment tool (A). The left side lamp on the tool, marked "air bag connector voltage", illuminates and the front passenger air bag module (1) deploys.

CAUTION:

- When deploying the front passenger air bag module, never stand on the deploying side.
- Stand at least 5.0 m (16.4 ft) away from the front passenger air bag module.



FRONT PASSENGER AIR BAG MODULE : Disposal

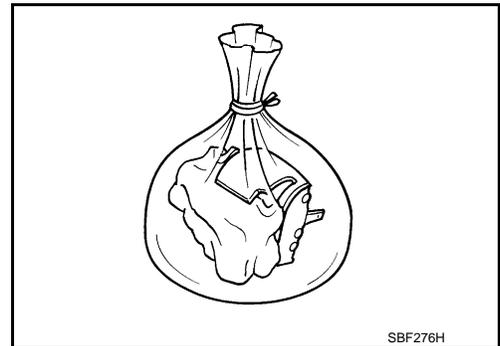
INFOID:000000006300530

DISPOSING OF AIR BAG MODULE AND SEAT BELT PRE-TENSIONER

Deployed air bag module, seat belt pre-tensioner, and lap pre-tensioner are very hot. Before disposing of air bag module and seat belt pre-tensioner, wait at least 30 minutes, and 10 minutes, respectively. Seal them in a plastic bag before disposal.

CAUTION:

- Never apply water to a deployed air bag module or seat belt pre-tensioner or lap pre-tensioner.
- Wear gloves when handling a deployed air bag module or seat belt pre-tensioner or lap pre-tensioner.
- No poisonous gas is produced upon air bag module deployment. However, be careful not to inhale gas since it irritates the throat and can cause choking.
- Never disassemble air bag module, seat belt pre-tensioner and lap pre-tensioner.
- Air bag module, seat belt pre-tensioner and lap pre-tensioner cannot be reused.
- Wash your hands clean after the work is complete.



FRONT SIDE AIR BAG MODULE

FRONT SIDE AIR BAG MODULE : Deployment

INFOID:000000006300531

CHECKING DEPLOYMENT TOOL

Connecting to Battery

CAUTION:

DISPOSAL OF AIR BAG MODULE

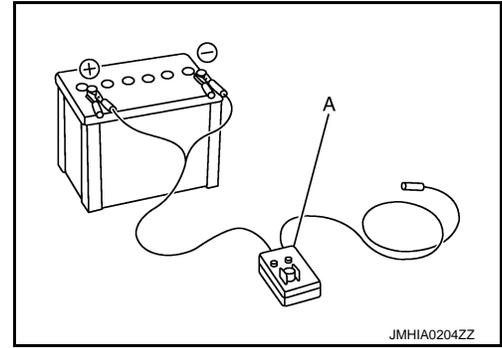
< REMOVAL AND INSTALLATION >

The battery must show voltage of 9.6 V or more.

Remove the battery from the vehicle and place it on dry wood blocks approximately 5.0 m (16.4 ft) away from the vehicle.

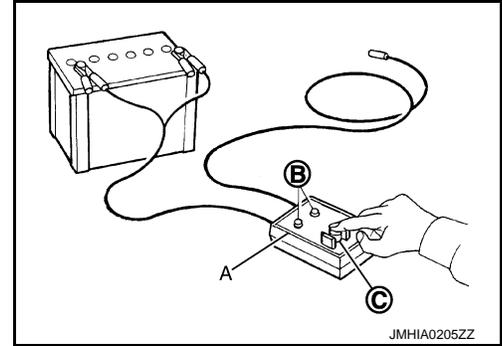
- Wait 3 minutes after the vehicle battery is disconnected before proceeding.
- Connect red clip of deployment tool (A) to battery positive terminal and black clip to negative terminal.

Check that the polarity is correct. The right side lamp in the tool, marked “deployment tool power”, should illuminate with a green light. If the right side lamp illuminates red, reverse the connections to the battery.



Deployment Tool Check

Press the deployment tool switch (C) to the ON position. The left side lamp in the tool, marked “air bag connector voltage” should illuminate (B). If it does not illuminate, replace the deployment tool (A).



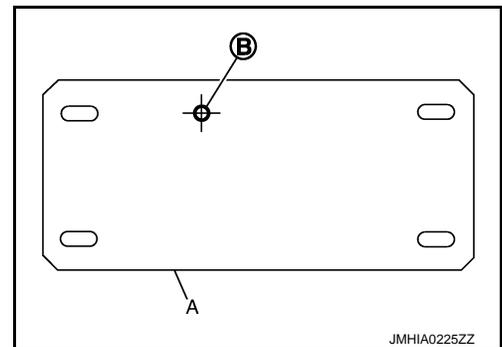
Air Bag Deployment Tool Lamp Illumination Chart (Battery Connected)

Switch operation	Left side lamp, green* “AIR BAG CONNECTOR VOLTAGE”	Right side lamp, green* “DEPLOYMENT TOOL POWER”
OFF	OFF	ON
ON	ON	ON

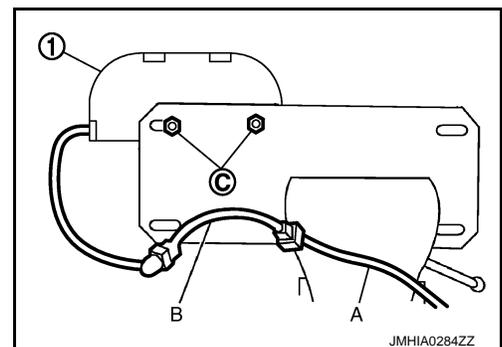
*: If this lamp illuminates red, the tool is connected to the battery incorrectly. Reverse the connections and check that the lamp illuminates green.

DEPLOYMENT OF FRONT SIDE AIR BAG MODULE (OUTSIDE OF VEHICLE)

1. Make 6.5 mm (0.256 in) diameter hole (B) in air bag module bracket (SST: KV99105300) (A) at the position shown in figure.



2. Firmly secure air bag module bracket (SST: KV99105300) in a vise.
3. Insert two bolts through air bag module bracket and front side air bag module (1) upper side holes, and fix them with two nuts (C).
4. Connect deployment tool (SST: KV99106400) (A) and deployment tool adapter (SST: KV99108300) (B) to front side air bag module connector.



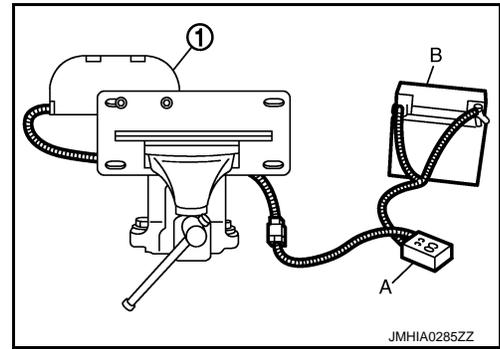
DISPOSAL OF AIR BAG MODULE

< REMOVAL AND INSTALLATION >

5. Connect red clip of deployment tool (SST: KV99106400) (A) to battery positive terminal and black clip to negative terminal (B).
6. The lamp on the right side of the tool, marked "deployment tool power", should illuminate green, not red.
7. Press the button on the deployment tool. The left side lamp on the tool, marked "air bag connector voltage", illuminates and the air bag module (1) deploys.

CAUTION:

When deploying the front side air bag module, stand at least 5.0 m (16.4 ft) away from the front side air bag module.



FRONT SIDE AIR BAG MODULE : Disposal

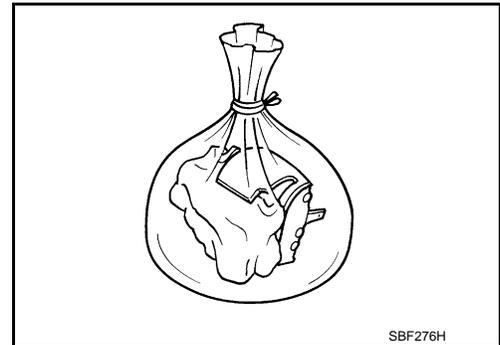
INFOID:000000006300532

DISPOSING OF AIR BAG MODULE AND SEAT BELT PRE-TENSIONER

Deployed air bag module, seat belt pre-tensioner, and lap pre-tensioner are very hot. Before disposing of air bag module and seat belt pre-tensioner, wait at least 30 minutes, and 10 minutes, respectively. Seal them in a plastic bag before disposal.

CAUTION:

- Never apply water to a deployed air bag module or seat belt pre-tensioner or lap pre-tensioner.
- Wear gloves when handling a deployed air bag module or seat belt pre-tensioner or lap pre-tensioner.
- No poisonous gas is produced upon air bag module deployment. However, be careful not to inhale gas since it irritates the throat and can cause choking.
- Never disassemble air bag module, seat belt pre-tensioner and lap pre-tensioner.
- Air bag module, seat belt pre-tensioner and lap pre-tensioner cannot be reused.
- Wash your hands clean after the work is complete.



SIDE CURTAIN AIR BAG MODULE

SIDE CURTAIN AIR BAG MODULE : Deployment

INFOID:000000006300533

CHECKING DEPLOYMENT TOOL

Connecting to Battery

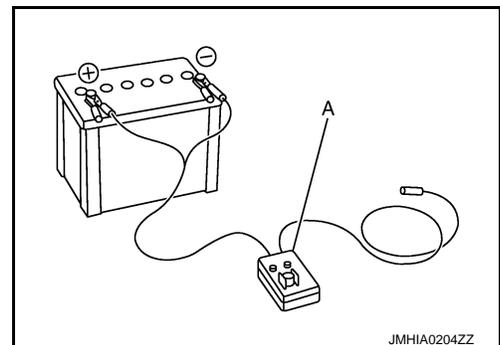
CAUTION:

The battery must show voltage of 9.6 V or more.

Remove the battery from the vehicle and place it on dry wood blocks approximately 5.0 m (16.4 ft) away from the vehicle.

- Wait 3 minutes after the vehicle battery is disconnected before proceeding.
- Connect red clip of deployment tool (A) to battery positive terminal and black clip to negative terminal.

Check that the polarity is correct. The right side lamp in the tool, marked "deployment tool power", should illuminate with a green light. If the right side lamp illuminates red, reverse the connections to the battery.

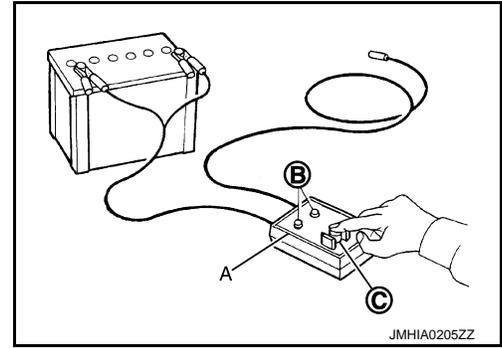


Deployment Tool Check

DISPOSAL OF AIR BAG MODULE

< REMOVAL AND INSTALLATION >

Press the deployment tool switch (C) to the ON position. The left side lamp in the tool, marked "air bag connector voltage" should illuminate (B). If it does not illuminate, replace the deployment tool (A).



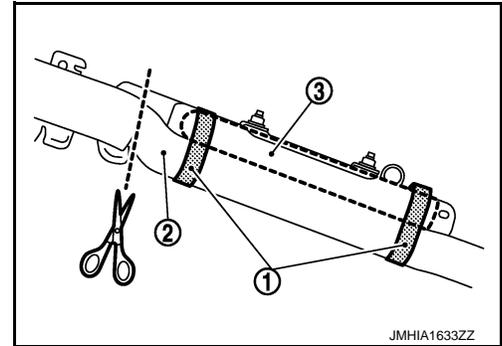
Air Bag Deployment Tool Lamp Illumination Chart (Battery Connected)

Switch operation	Left side lamp, green* "AIR BAG CONNECTOR VOLTAGE"	Right side lamp, green* "DEPLOYMENT TOOL POWER"
OFF	OFF	ON
ON	ON	ON

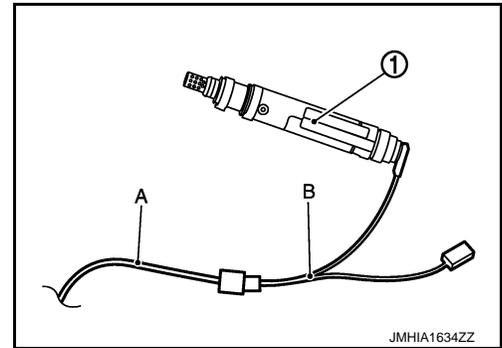
*: If this lamp illuminates red, the tool is connected to the battery incorrectly. Reverse the connections and check that the lamp illuminates green.

DEPLOYMENT OF SIDE CURTAIN AIR BAG MODULE (OUTSIDE OF VEHICLE)

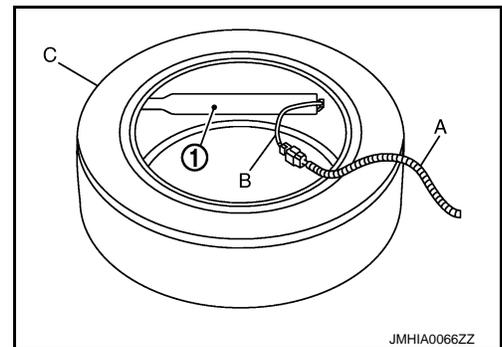
1. Cut off the bands (1).
2. Cut the inflator (3) from side curtain air bag module (2).



3. Connect deployment tool (SST: KV99106400) (A) and deployment tool adapter (SST: KV99110500) (B) to the inflator (1).



4. Put the inflator (1) connected with the deployment tool (A) (SST: KV99106400) and deployment tool adapter (B) (SST: KV99110500) into a tire without a wheel (C).



DISPOSAL OF AIR BAG MODULE

< REMOVAL AND INSTALLATION >

- Put the tire with the inflator (1) onto another tire without a wheel. Add an additional tire without a wheel and then a tire mounted on a wheel on top.

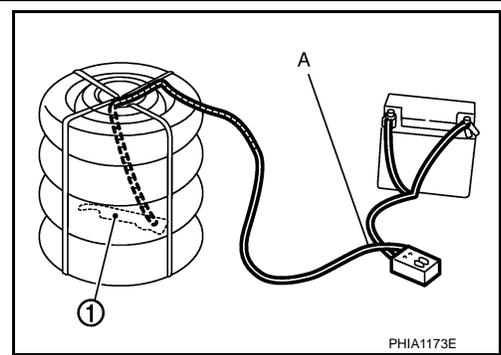
CAUTION:

Tie all tires together with a strap in order keep them standing.

- Connect red clip of deployment tool (A) to battery positive terminal and black clip to negative terminal.
- The lamp on the right side of the tool, marked "deployment tool power", should illuminate green, not red.
- Press the button on the deployment tool. The left side lamp on the tool, marked "air bag connector voltage", illuminates and the air bag module inflator deploys.

CAUTION:

When deploying the side curtain air bag module, stand at least 5.0 m (16.4 ft) away from the side curtain air bag module.



SIDE CURTAIN AIR BAG MODULE : Disposal

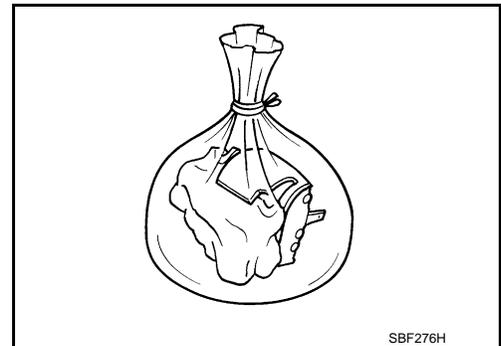
INFOID:000000006300534

DISPOSING OF AIR BAG MODULE AND SEAT BELT PRE-TENSIONER

Deployed air bag module, seat belt pre-tensioner, and lap pre-tensioner are very hot. Before disposing of air bag module and seat belt pre-tensioner, wait at least 30 minutes, and 10 minutes, respectively. Seal them in a plastic bag before disposal.

CAUTION:

- Never apply water to a deployed air bag module or seat belt pre-tensioner or lap pre-tensioner.
- Wear gloves when handling a deployed air bag module or seat belt pre-tensioner or lap pre-tensioner.
- No poisonous gas is produced upon air bag module deployment. However, be careful not to inhale gas since it irritates the throat and can cause choking.
- Never disassemble air bag module, seat belt pre-tensioner and lap pre-tensioner.
- Air bag module, seat belt pre-tensioner and lap pre-tensioner cannot be reused.
- Wash your hands clean after the work is complete.



SEAT BELT PRE-TENSIONER

SEAT BELT PRE-TENSIONER : Deployment

INFOID:000000006300535

CHECKING DEPLOYMENT TOOL

Connecting to Battery

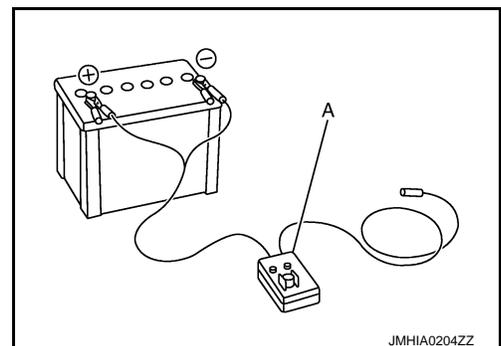
CAUTION:

The battery must show voltage of 9.6 V or more.

Remove the battery from the vehicle and place it on dry wood blocks approximately 5.0 m (16.4 ft) away from the vehicle.

- Wait 3 minutes after the vehicle battery is disconnected before proceeding.
- Connect red clip of deployment tool (A) to battery positive terminal and black clip to negative terminal.

Check that the polarity is correct. The right side lamp in the tool, marked "deployment tool power", should illuminate with a green light. If the right side lamp illuminates red, reverse the connections to the battery.

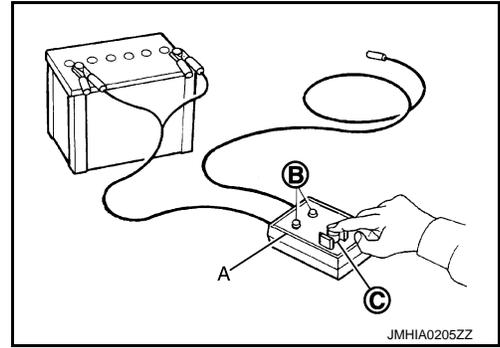


Deployment Tool Check

DISPOSAL OF AIR BAG MODULE

< REMOVAL AND INSTALLATION >

Press the deployment tool switch (C) to the ON position. The left side lamp in the tool, marked “air bag connector voltage” should illuminate (B). If it does not illuminate, replace the deployment tool (A).



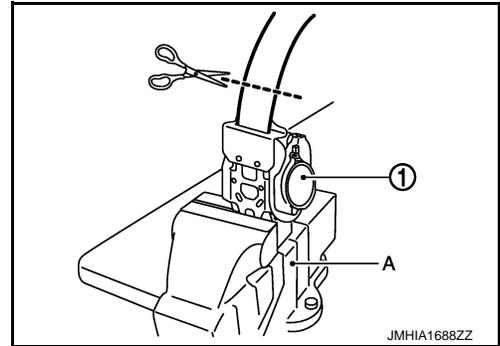
Air Bag Deployment Tool Lamp Illumination Chart (Battery Connected)

Switch operation	Left side lamp, green* “AIR BAG CONNECTOR VOLTAGE”	Right side lamp, green* “DEPLOYMENT TOOL POWER”
OFF	OFF	ON
ON	ON	ON

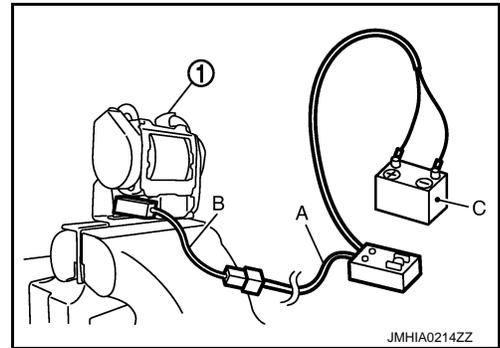
*: If this lamp illuminates red, the tool is connected to the battery incorrectly. Reverse the connections and check that the lamp illuminates green.

DEPLOYMENT OF FRONT SEAT BELT PRE-TENSIONER (OUTSIDE OF VEHICLE)

1. Firmly grip pre-tensioner (1) in a vise (A) and cut off the webbing.



2. Connect deployment tool (SST: KV99106400) (A) and deployment tool adapter (SST: KV99110500) (B) yellow connector to front seat belt pre-tensioner (1).
3. Connect red clip of deployment tool to battery positive terminal and black clip to negative terminal (C).
4. The lamp on the right side of the tool, marked “deployment tool power”, should illuminate green, not red.
5. Press the button on the deployment tool. The left side lamp on the tool, marked “seat belt pre-tensioner connector voltage”, illuminates and the front seat belt pre-tensioner deploys.



CAUTION:

When deploying the front seat belt pre-tensioner, stand at least 5.0 m(16.4 ft) away from the front seat belt pre-tensioner.

SEAT BELT PRE-TENSIONER : Disposal

INFOID:000000006300536

DISPOSING OF AIR BAG MODULE AND SEAT BELT PRE-TENSIONER

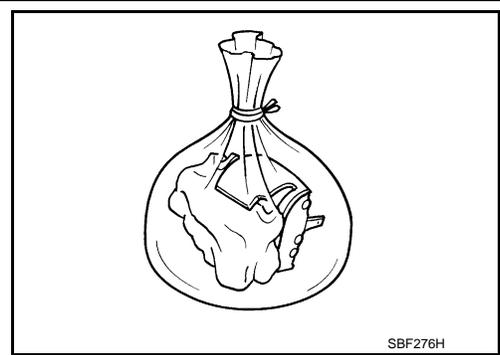
Deployed air bag module, seat belt pre-tensioner, and lap pre-tensioner are very hot. Before disposing of air bag module and seat belt pre-tensioner, wait at least 30 minutes, and 10 minutes, respectively. Seal them in a plastic bag before disposal.

CAUTION:

DISPOSAL OF AIR BAG MODULE

< REMOVAL AND INSTALLATION >

- Never apply water to a deployed air bag module or seat belt pre-tensioner or lap pre-tensioner.
- Wear gloves when handling a deployed air bag module or seat belt pre-tensioner or lap pre-tensioner.
- No poisonous gas is produced upon air bag module deployment. However, be careful not to inhale gas since it irritates the throat and can cause choking.
- Never disassemble air bag module, seat belt pre-tensioner and lap pre-tensioner.
- Air bag module, seat belt pre-tensioner and lap pre-tensioner cannot be reused.
- Wash your hands clean after the work is complete.



LAP PRE-TENSIONER

LAP PRE-TENSIONER : Deployment

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CHECKING DEPLOYMENT TOOL

Connecting to Battery

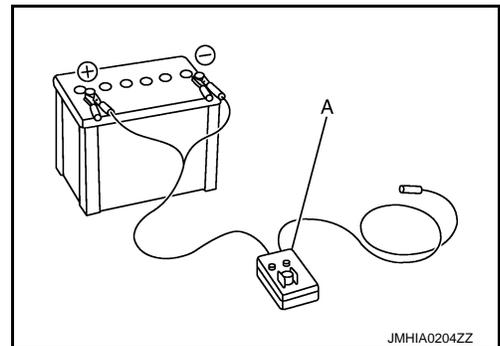
CAUTION:

The battery must show voltage of 9.6 V or more.

Remove the battery from the vehicle and place it on dry wood blocks approximately 5.0 m (16.4 ft) away from the vehicle.

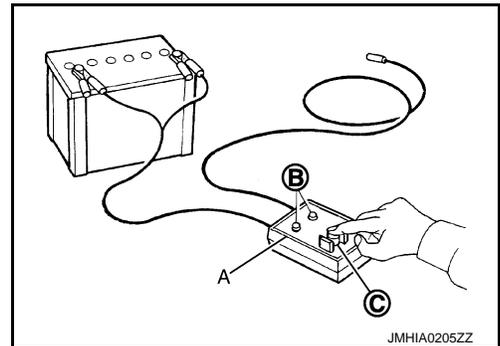
- Wait 3 minutes after the vehicle battery is disconnected before proceeding.
- Connect red clip of deployment tool (A) to battery positive terminal and black clip to negative terminal.

Check that the polarity is correct. The right side lamp in the tool, marked “deployment tool power”, should illuminate with a green light. If the right side lamp illuminates red, reverse the connections to the battery.



Deployment Tool Check

Press the deployment tool switch (C) to the ON position. The left side lamp in the tool, marked “air bag connector voltage” should illuminate (B). If it does not illuminate, replace the deployment tool (A).



Air Bag Deployment Tool Lamp Illumination Chart (Battery Connected)

Switch operation	Left side lamp, green* “AIR BAG CONNECTOR VOLTAGE”	Right side lamp, green* “DEPLOYMENT TOOL POWER”
OFF	OFF	ON
ON	ON	ON

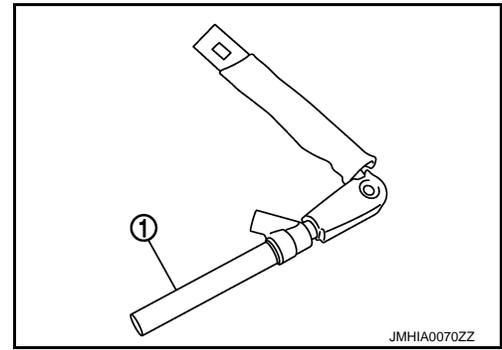
*: If this lamp illuminates red, the tool is connected to the battery incorrectly. Reverse the connections and check that the lamp illuminates green.

DEPLOYMENT OF LAP PRE-TENSIONER (OUTSIDE OF VEHICLE)

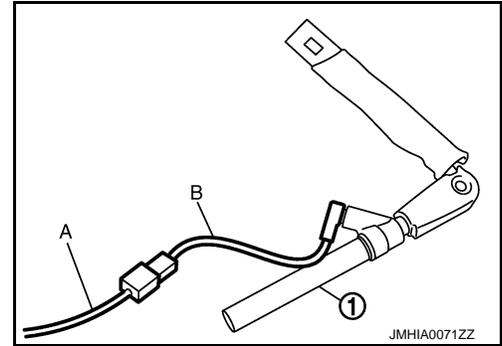
DISPOSAL OF AIR BAG MODULE

< REMOVAL AND INSTALLATION >

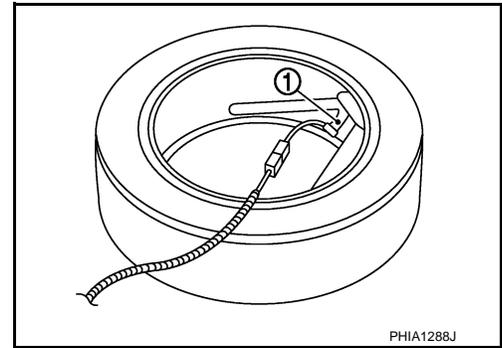
1. Remove lap pre-tensioner (1). Refer to [SB-5. "SEAT BELT RETRACTOR : Removal and Installation"](#).



2. Connect deployment tool (SST: KV99106400) (A) and deployment tool adapter (SST: KV99110500) (B) orange connector to lap pre-tensioner (1).



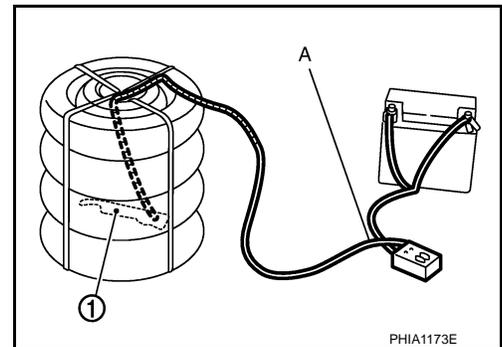
3. Put the lap pre-tensioner (1) connected with the deployment tool into a tire without a wheel.



4. Connect red clip of deployment tool (A) to battery positive terminal and black clip to negative terminal.
5. The lamp on the right side of the tool, marked "deployment tool power", should glow green, not red.
6. Press the button on the deployment tool. The left side lamp on the tool, marked "lap pre-tensioner connector voltage", will illuminate and the lap pre-tensioner (1) will deploy.

CAUTION:

When deploying the lap pre-tensioner, stand at least 5.0 m (16.4 ft) away from the lap pre-tensioner.



LAP PRE-TENSIONER : Disposal

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DISPOSING OF AIR BAG MODULE AND SEAT BELT PRE-TENSIONER

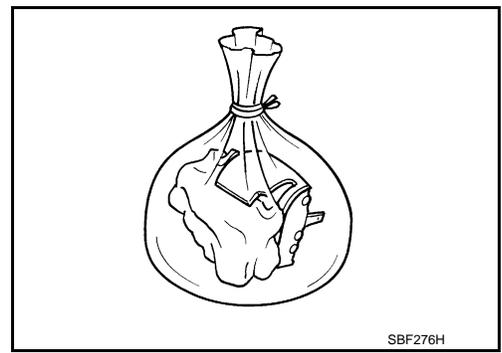
Deployed air bag module, seat belt pre-tensioner, and lap pre-tensioner are very hot. Before disposing of air bag module and seat belt pre-tensioner, wait at least 30 minutes, and 10 minutes, respectively. Seal them in a plastic bag before disposal.

CAUTION:

DISPOSAL OF AIR BAG MODULE

< REMOVAL AND INSTALLATION >

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- Air bag module, seat belt pre-tensioner and lap pre-tensioner cannot be reused.
- Wash your hands clean after the work is complete.



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