

SECTION **SR**
SRS AIRBAG

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FOR USA AND CANADA

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PRECAUTION

PRECAUTIONS

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

INFOID:000000003034886

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 "SRS AIRBAG" and "SEAT BELT" 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 "SRS AIRBAG".
- 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.

Service

INFOID:000000001831862

- 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 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. 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 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.

Occupant Classification System

INFOID:000000001831863

- Replace occupant classification system control unit and passenger front seat cushion as an assembly. Refer to [SE-28, "Removal and Installation"](#).

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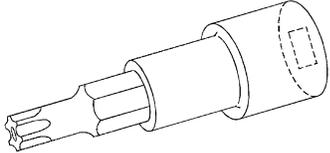
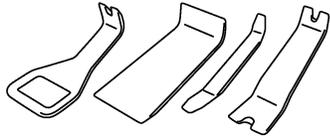
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PREPARATION

PREPARATION

Commercial Service Tools

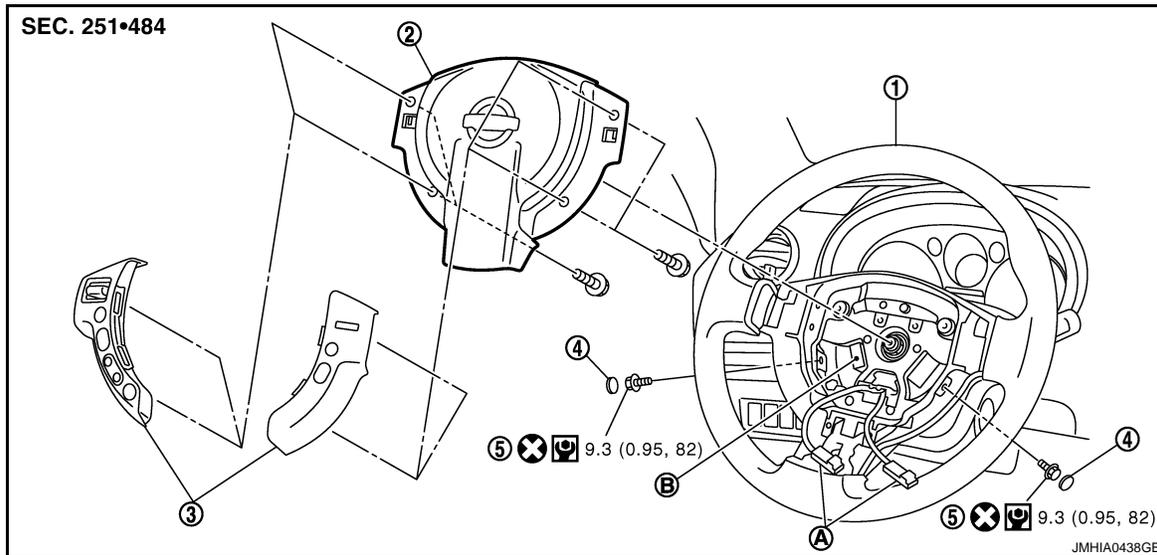
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Tool name	Description
<p>Tamper resistant TORX bit</p>  <p>S-NT757</p>	<p>Removal tool of driver air bag module</p>
<p>Remover tool</p>  <p>PIIB7923J</p>	<p>Remove the clip and pawl and metal clip</p>

ON-VEHICLE REPAIR

DRIVER AIR BAG MODULE

Exploded View



- | | | |
|-------------------------------------|----------------------------------|--------------------|
| 1. Steering wheel | 2. Driver air bag module | 3. Steering switch |
| 4. Side lid (LH/RH) | 5. TORX bolt (LH/RH) | |
| A. Driver air bag harness connector | B. Horn switch harness connector | |

Refer to [Gl-4. "Components"](#) for symbols in the figure.

Removal and Installation

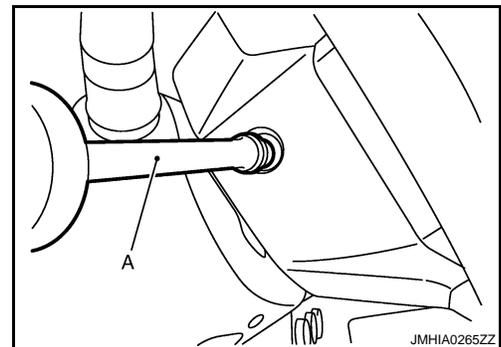
INFOID:000000001888023

WARNING:

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

REMOVAL

1. Remove the side lids (LH/RH).
2. Using Tamper resistant TORX bit (A), remove the TORX bolt (LH/RH).



3. Pull out driver air bag module assembly.

DRIVER AIR BAG MODULE

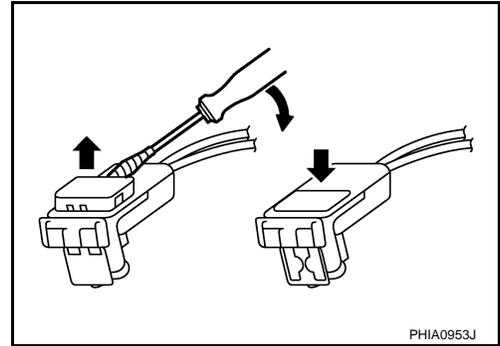
< ON-VEHICLE REPAIR >

[FOR USA AND CANADA]

4. Disconnect driver air bag harness connector.

NOTE:

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



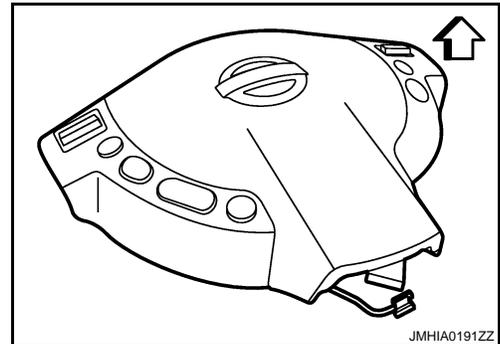
5. Remove the driver air bag module.

CAUTION:

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

↶ : Upward

- Never insert any foreign objects (screwdriver, etc.) into driver air bag module.
- Never disassemble driver air bag module.
- Never use old TORX bolts after removal; replace with new bolts.
- Never expose the driver air bag module to temperatures exceeding 90°C (194°F).
- Never allow oil, grease or water to come in contact with the driver air bag module.



- Replace the driver air bag module if it has been dropped or sustained an impact.

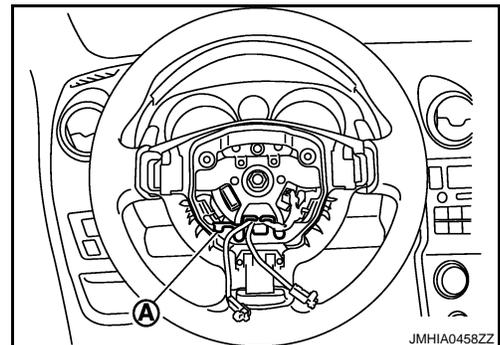


INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Fix the driver air bag module harness 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.



- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.

DRIVER AIR BAG MODULE

< ON-VEHICLE REPAIR >

[FOR USA AND CANADA]

- After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-18, "Diagnosis Description"](#).

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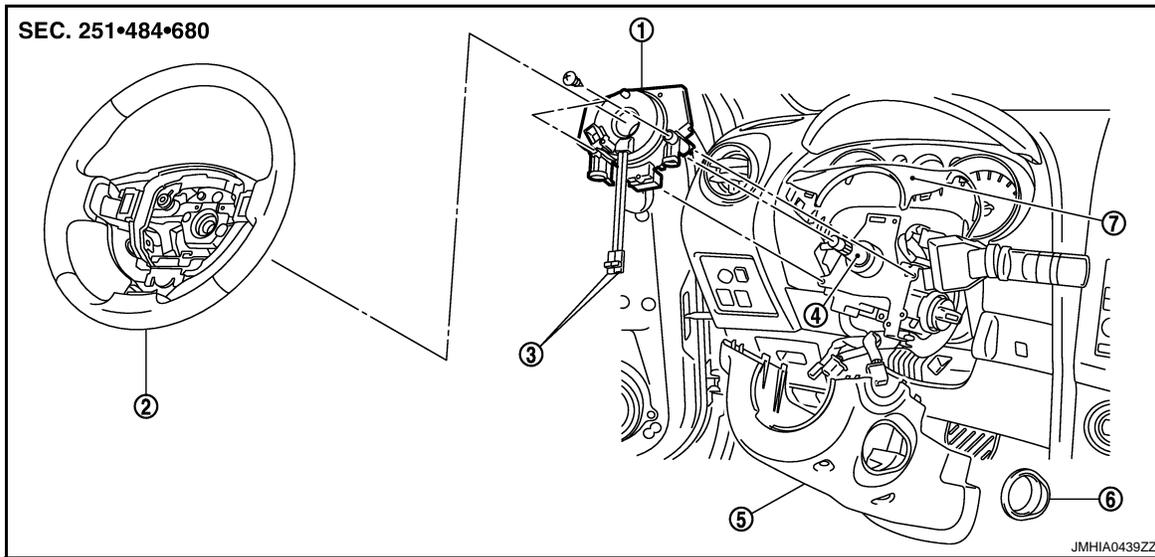
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SPIRAL CABLE

Exploded View

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- | | | |
|----------------------------------|----------------------------------|-------------------------------------|
| 1. Spiral cable | 2. Steering wheel | 3. Driver air bag harness connector |
| 4. Steering column assembly | 5. Steering column cover (lower) | 6. Steering lock escation |
| 7. Steering column cover (upper) | | |

Removal and Installation

INFOID:000000001888025

WARNING:

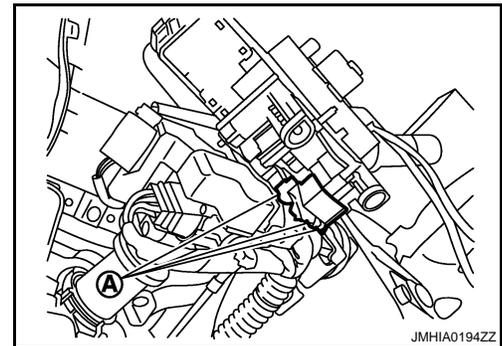
- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Never use air tools or electric tools for servicing.

REMOVAL

1. Remove the driver air bag module. Refer to [SR-5, "Removal and Installation"](#).
2. Remove the steering wheel. Refer to [ST-10, "Removal and Installation"](#).
3. Remove the steering column cover (upper/lower). Refer to [IP-12, "Exploded View"](#).
4. Disconnect spiral cable body side harness connectors (A).

NOTE:

Disconnect spiral cable body side harness connector after removing the spiral cable.



5. Remove the spiral cable fixing screws.
6. Pull out forward the spiral cable.

CAUTION:

- 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.

SPIRAL CABLE

< ON-VEHICLE REPAIR >

[FOR USA AND CANADA]

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

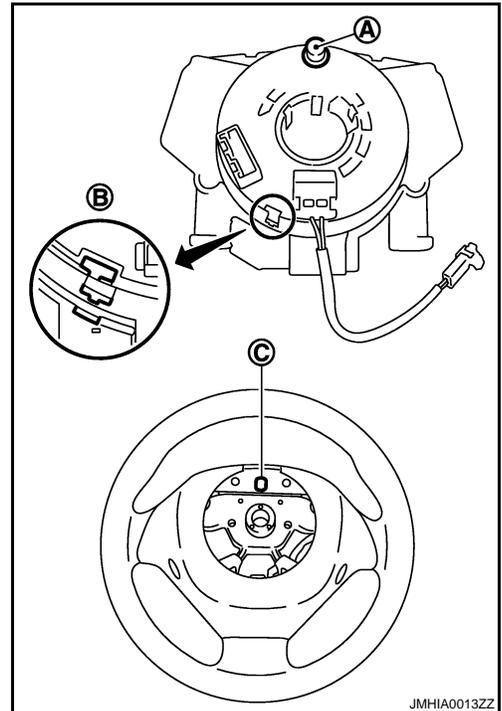


INSTALLATION

Install in the reverse order of removal.

CAUTION:

- The spiral cable may snap during steering operation if the cable is installed in an improper position. The neutral position is set as follows.
- Turn carefully the spiral cable clockwise to the end position. Then turn it counterclockwise (about 2 and a half turns) and stop turning at the point (B) on which the stopper insertion holes are in the same position.
- The service part is installed in the neutral position by the stopper and can be set without adjusting after the stopper is removed.
- Never over turn the spiral cable or go beyond number of turns required. (These will cause the cable to snap.)
- Adjust the spiral cable locating pin (A) to the steering wheel locating pin hole (C).



- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.
- After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-18, "Diagnosis Description"](#).

FRONT PASSENGER AIR BAG MODULE

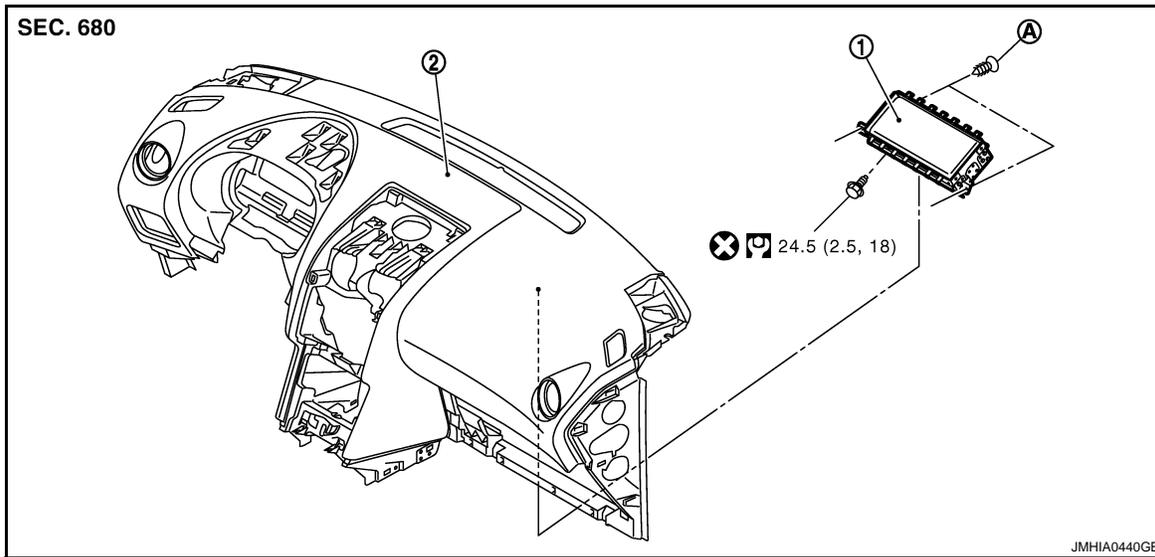
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[FOR USA AND CANADA]

FRONT PASSENGER AIR BAG MODULE

Exploded View

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1. Passenger air bag module
 2. Instrument panel assembly
- A. Screws

Refer to [GI-4, "Components"](#) for symbols in the figure.

Removal and Installation

INFOID:000000001888027

WARNING:

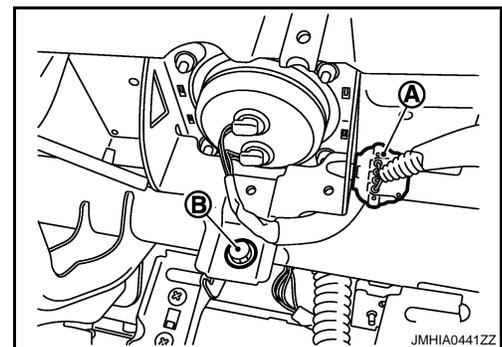
- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Always work from the side of air bag module. Never work in front of it.
- Never use air tools or electric tools for servicing.

REMOVAL

1. Remove the glove box lid assembly. Refer to [IP-13, "Removal and Installation"](#).
2. Remove the Instrument lower assist panel. Refer to [IP-13, "Removal and Installation"](#).
3. Disconnect passenger air bag harness connector (A).
4. Remove the passenger air bag module fixing bolt (B).

NOTE:

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

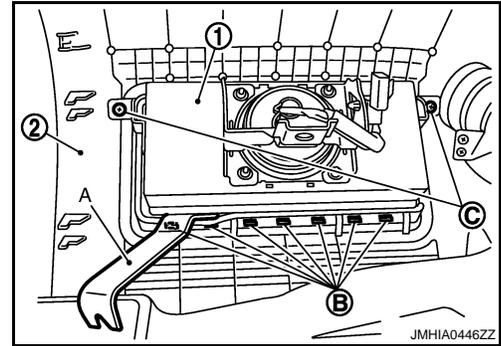


FRONT PASSENGER AIR BAG MODULE

[FOR USA AND CANADA]

< ON-VEHICLE REPAIR >

5. Remove the instrument panel assembly (2).
6. Remove the passenger air bag module fixing screws (C).
7. Disconnect pawls (B) by using remover tool (A), and then remove passenger air bag module (1) from instrument panel.

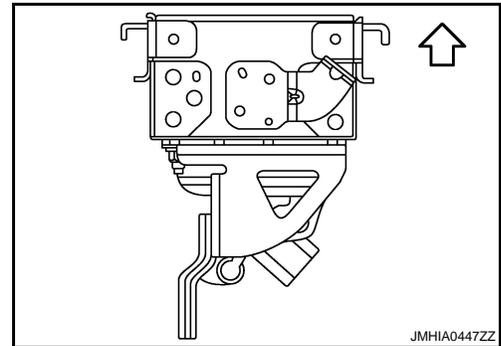


CAUTION:

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

↕ : Upward

- Never insert any foreign objects (screwdriver, etc.) into passenger air bag module.
- Never disassemble passenger air bag module.
- Never use old fixing bolts after removal; replace with new bolts.
- Never expose the passenger air bag module to temperatures exceeding 90°C (194°F).
- Never allow oil, grease or water to come in contact with the passenger air bag module.
- Replace the passenger air bag module if it has been dropped or sustained an impact.



INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Never damage the harness while installing.
- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.
- After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-18, "Diagnosis Description"](#).

SIDE CURTAIN AIR BAG MODULE

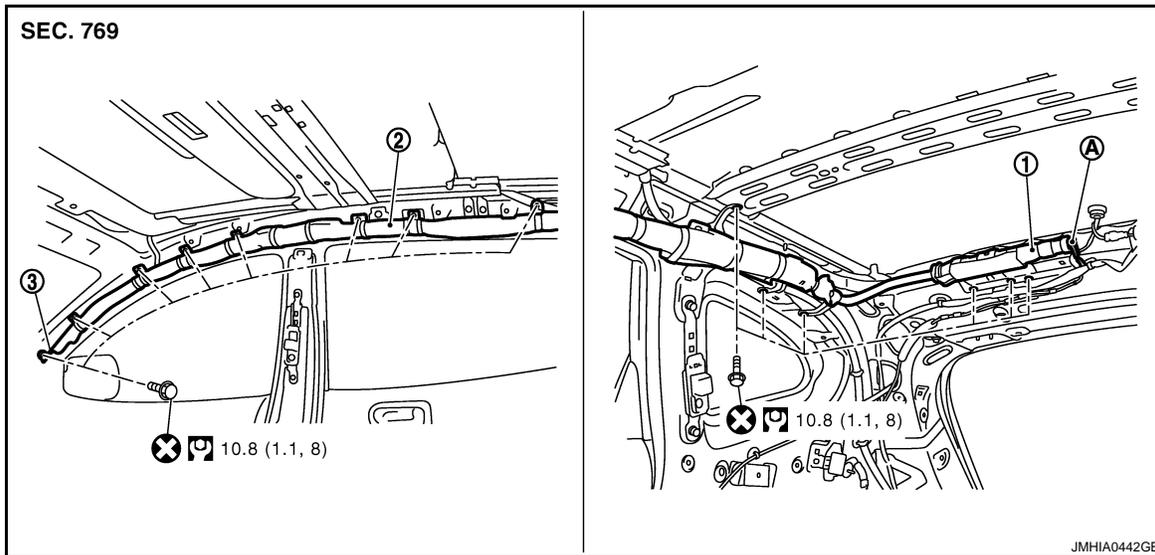
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[FOR USA AND CANADA]

SIDE CURTAIN AIR BAG MODULE

Exploded View

INFOID:000000001888028



1. Side curtain air bag inflator
 2. Side curtain air bag
 3. Strap
- A. Side curtain air bag harness connector

Refer to [GI-4, "Components"](#) for symbols in the figure.

Removal and Installation

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WARNING:

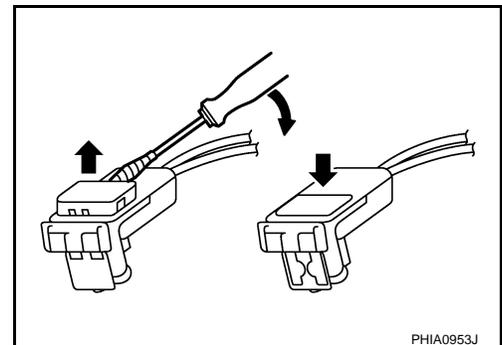
- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Never use air tools or electric tools for servicing.

REMOVAL

1. Remove the headlining.
 - NORMAL ROOF: Refer to [INT-24, "NORMAL ROOF : Removal and Installation"](#).
 - SUNROOF: Refer to [INT-27, "SUNROOF : Removal and Installation"](#).
2. Remove the side curtain air bag module harness connector.

NOTE:

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



3. Remove fixing bolts, and then remove side curtain air bag module.

CAUTION:

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

SIDE CURTAIN AIR BAG MODULE

< ON-VEHICLE REPAIR >

[FOR USA AND CANADA]

- Replace the side curtain air bag module if it has been dropped or sustained an impact.



INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Never damage the harness while installing.
- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.
- After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-18, "Diagnosis Description"](#).

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CRASH ZONE SENSOR

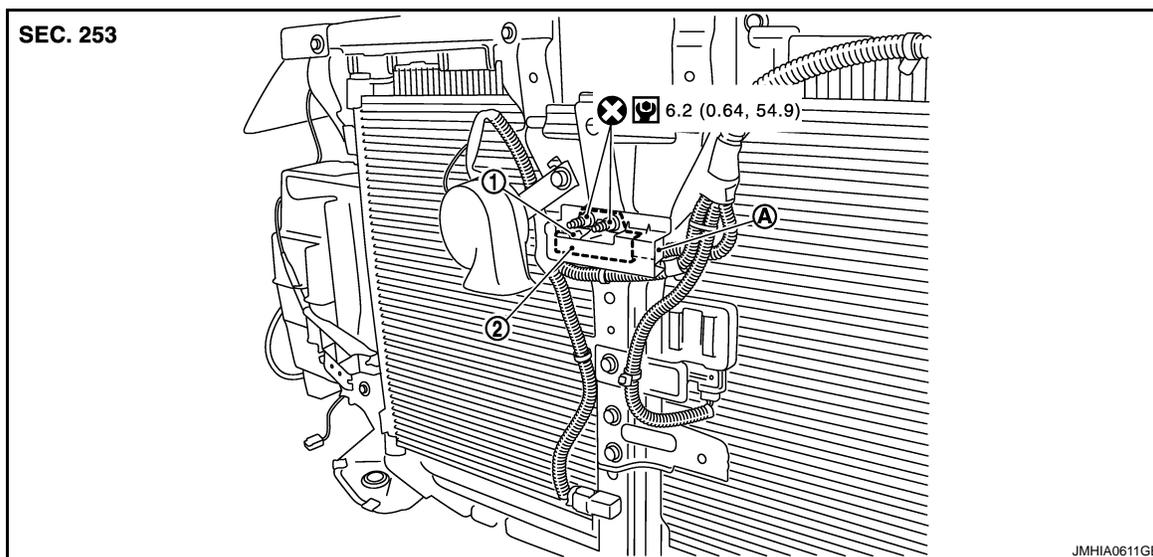
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[FOR USA AND CANADA]

CRASH ZONE SENSOR

Exploded View

INFOID:000000001888030



1. Crash zone sensor
2. Crash zone sensor cover
- A. Crash zone sensor harness connector

Refer to [GI-4, "Components"](#) for symbols in the figure.

Removal and Installation

INFOID:000000001888031

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Never use air tools or electric tools for servicing.

REMOVAL

1. Remove the front bumper upper clips. Refer to [EXT-13, "Exploded View"](#).
2. Remove the crash zone sensor fixing nuts.
3. Disconnect crash zone sensor harness connector, and then remove crash zone sensor.

CAUTION:

- Replace the crash zone sensor if it has been dropped or sustained an impact.



- Never use old fixing nuts after removal; replace with new nuts.
- Replace the crash zone sensor of deployed SRS driver air bag and deployed SRS front passenger air bag.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Never damage the harness while installing.

CRASH ZONE SENSOR

< ON-VEHICLE REPAIR >

[FOR USA AND CANADA]

- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.
- After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-18. "Diagnosis Description"](#).

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SIDE AIR BAG (SATELLITE) SENSOR

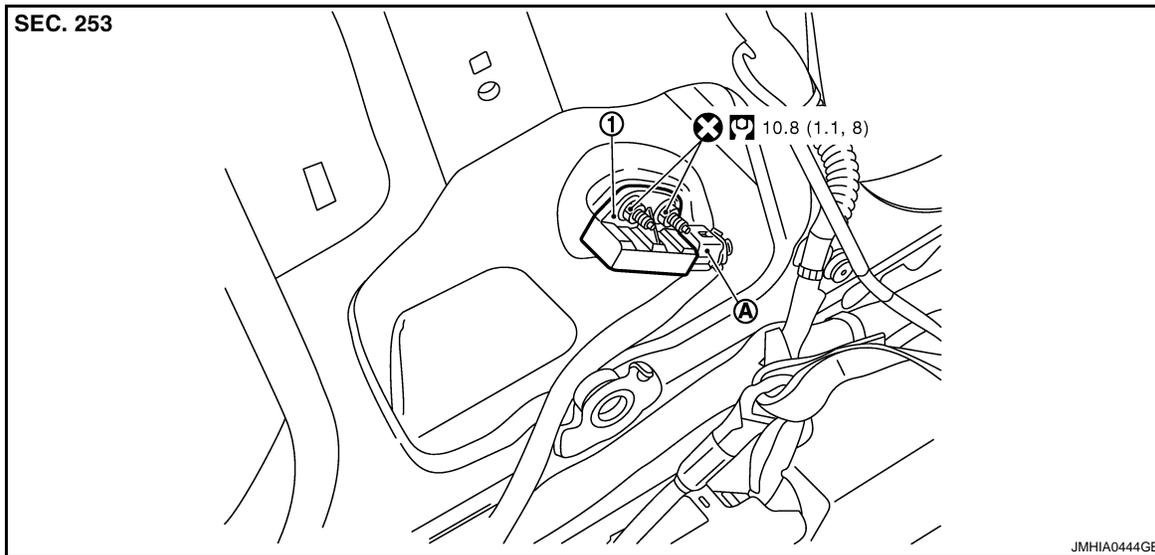
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[FOR USA AND CANADA]

SIDE AIR BAG (SATELLITE) SENSOR

Exploded View

INFOID:000000001888032



1. Satellite sensor
- A. Satellite sensor harness connector

Refer to [GI-4. "Components"](#) for symbols in the figure.

Removal and Installation

INFOID:000000001888033

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Never use air tools or electric tools for servicing.

REMOVAL

1. Remove the front seat belt. Refer to [SB-6. "SEAT BELT RETRACTOR : Removal and Installation"](#).
2. Remove the satellite sensor fixing nuts.
3. Disconnect satellite sensor harness connector, and then remove satellite sensor.

CAUTION:

- Replace the satellite sensor if it has been dropped or sustained an impact.



- Never use old fixing nuts after removal; replace with new nuts.
- Replace the satellite sensor of deployed SRS front side air bag module and deployed SRS side curtain air bag module.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Never damage the harness while installing.

SIDE AIR BAG (SATELLITE) SENSOR

< ON-VEHICLE REPAIR >

[FOR USA AND CANADA]

- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.
- After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-18. "Diagnosis Description"](#).

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DIAGNOSIS SENSOR UNIT

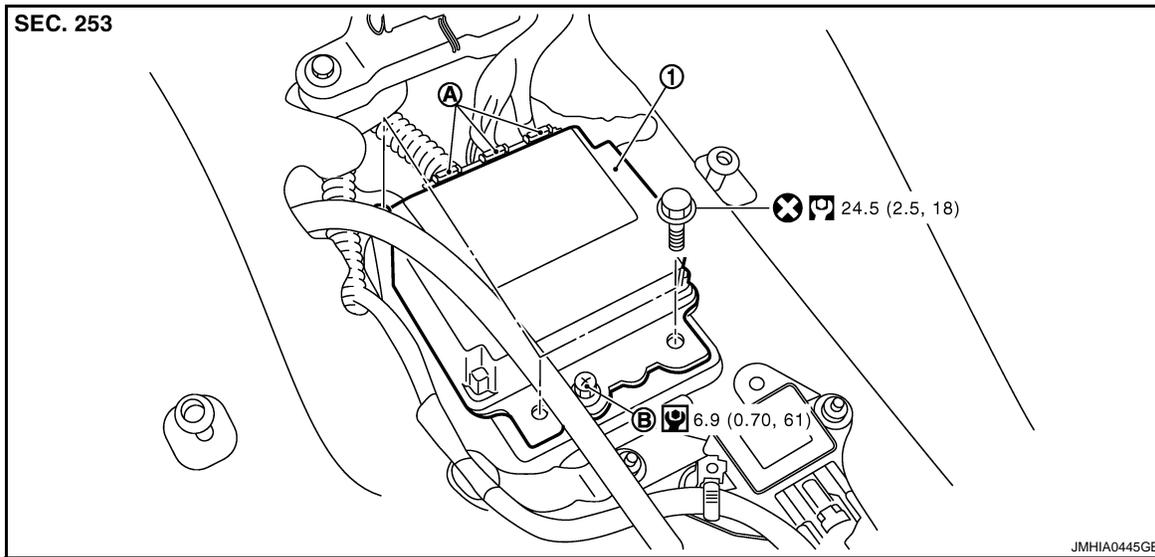
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[FOR USA AND CANADA]

DIAGNOSIS SENSOR UNIT

Exploded View

INFOID:000000001888034



1. Diagnosis sensor unit
- A. Diagnosis sensor unit harness connectors
- B. Ground bolt

Refer to [GI-4, "Components"](#) for symbols in the figure.

Removal and Installation

INFOID:000000001888035

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 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 air tools or electric tools for servicing.

REMOVAL

1. Disconnect each connector of all air bag modules and pre-tensioner seat belts.
2. Remove the center console assembly. Refer to [IP-20, "Removal and Installation"](#).
3. Disconnect diagnosis sensor unit harness connectors.
4. Remove fixing bolts, ground bolt, and then remove diagnosis sensor unit.

CAUTION:

- Replace the diagnosis sensor unit if it has been dropped or sustained an impact.



- Never use old fixing bolts after removal; replace with new fixing bolts.
- Replace the diagnosis sensor unit of deployed SRS air bag and deployed SRS front seat belt pre-tensioner.

DIAGNOSIS SENSOR UNIT

< ON-VEHICLE REPAIR >

[FOR USA AND CANADA]

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Never damage the harness while installing.
- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.
- After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-18. "Diagnosis Description"](#).

ECU DISCRIMINATED NO.

After replacing the diagnosis sensor unit, confirm that the diagnosis sensor unit identification is correct for the vehicle as equipped.

Specification		ECU DISCRIMINATED No.
2WD	Models with driver and passenger air bag, seat belt pre-tensioner, seat belt pre-tensioner 2, front side air bag and side curtain air bag	FAEB
4WD		

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FRONT SEAT BELT PRE-TENSIONER

< ON-VEHICLE REPAIR >

[FOR USA AND CANADA]

FRONT SEAT BELT PRE-TENSIONER

Removal and Installation

INFOID:000000001888036

For removal and installation procedures, refer to [SB-6. "SEAT BELT RETRACTOR : Removal and Installation"](#).

OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

< ON-VEHICLE REPAIR >

[FOR USA AND CANADA]

OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

Removal and Installation

INFOID:000000001888037

For removal and installation

The occupant classification system control unit and seat sensor mat are an integral part of the front passenger seat cushion and are replaced as an assembly. Refer to [SE-28, "Removal and Installation"](#).

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PRECAUTION

PRECAUTIONS

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

INFOID:000000003034969

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 AIRBAG" and "SEAT BELT" 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 "SRS AIRBAG".
- 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.

Service

INFOID:000000001897673

- 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 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. 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 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

< PREPARATION >

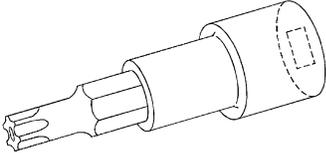
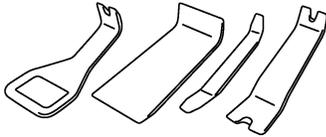
[FOR MEXICO]

PREPARATION

PREPARATION

Commercial Service Tools

INFOID:000000001897679

Tool name	Description
<p data-bbox="186 516 454 541">Tamper resistant TORX bit</p>  <p data-bbox="846 632 899 646">S-NT757</p>	<p data-bbox="992 516 1365 541">Removal tool of driver air bag module</p>
<p data-bbox="186 768 324 793">Remover tool</p>  <p data-bbox="846 884 899 898">PIIB7923J</p>	<p data-bbox="992 768 1393 793">Remove the clip and pawl and metal clip</p>

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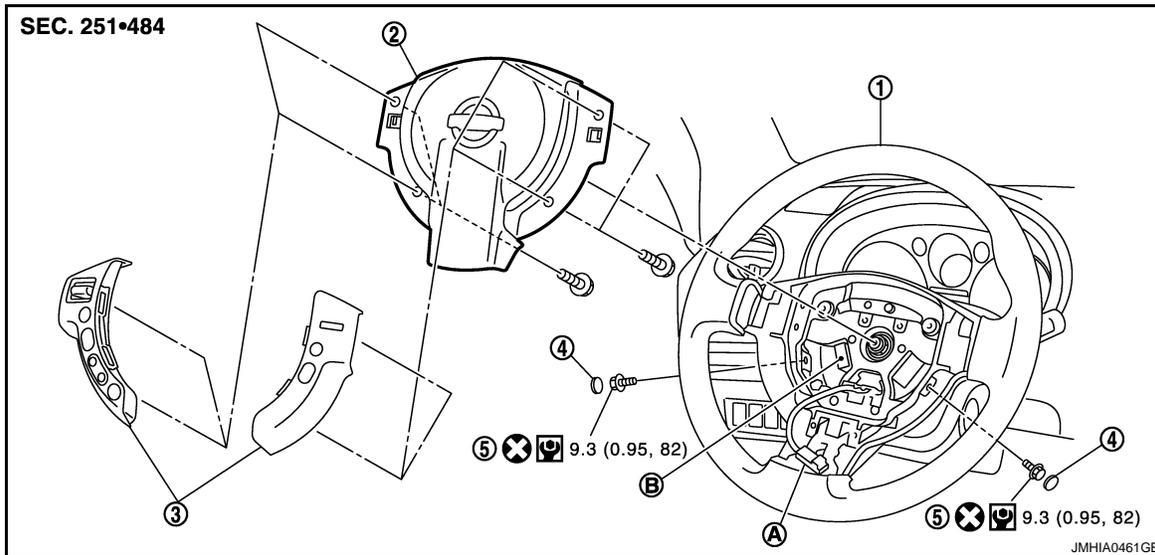
P

ON-VEHICLE REPAIR

DRIVER AIR BAG MODULE

Exploded View

INFOID:000000001897680



- | | | |
|-------------------------------------|----------------------------------|--------------------|
| 1. Steering wheel | 2. Driver air bag module | 3. Steering switch |
| 4. Side lid (LH/RH) | 5. TORX bolt (LH/RH) | |
| A. Driver air bag harness connector | B. Horn switch harness connector | |

Refer to [GI-4, "Components"](#) for symbols in the figure.

Removal and Installation

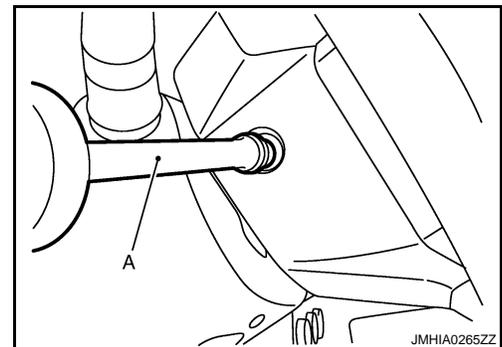
INFOID:000000001897681

WARNING:

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

REMOVAL

1. Remove the side lids (LH/RH).
2. Using Tamper resistant TORX bit (A), remove the TORX bolt (LH/RH).



3. Pull out driver air bag module assembly.

DRIVER AIR BAG MODULE

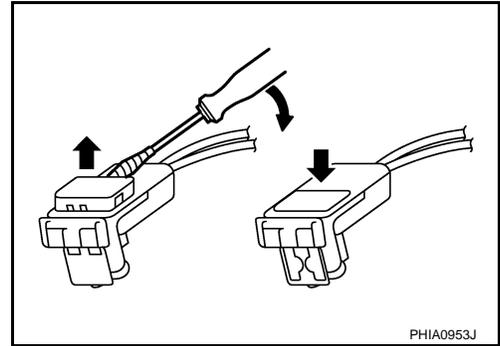
< ON-VEHICLE REPAIR >

[FOR MEXICO]

4. Disconnect driver air bag module harness connector.

NOTE:

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



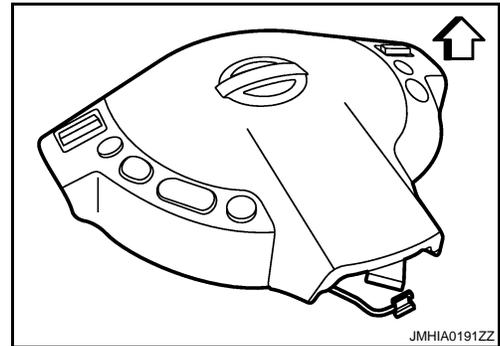
5. Remove the driver air bag module.

CAUTION:

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

↶ : Upward

- Never insert any foreign objects (screwdriver, etc.) into driver air bag module.
- Never disassemble driver air bag module.
- Never use old TORX bolts after removal; replace with new bolts.
- Never expose the driver air bag module to temperatures exceeding 90°C (194°F).
- Never allow oil, grease or water to come in contact with the driver air bag module.



- Replace the driver air bag module if it has been dropped or sustained an impact.

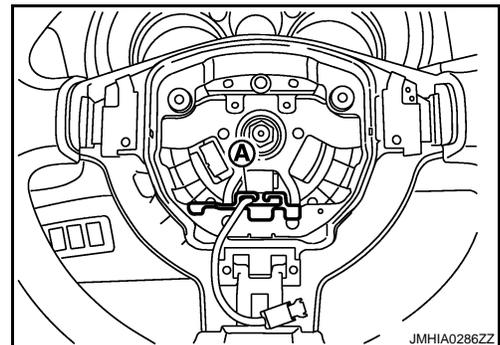


INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Fix the driver air bag module harness 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.



- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.

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DRIVER AIR BAG MODULE

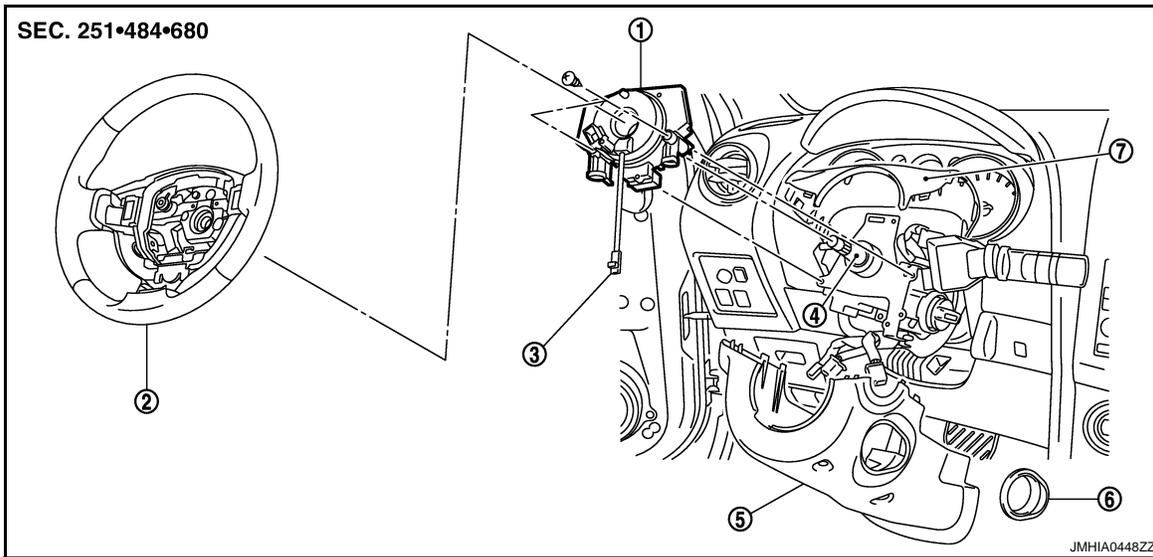
< ON-VEHICLE REPAIR >

[FOR MEXICO]

-
- After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-179, "Diagnosis Description"](#).

SPIRAL CABLE

Exploded View



- | | | |
|----------------------------------|----------------------------------|-------------------------------------|
| 1. Spiral cable | 2. Steering wheel | 3. Driver air bag harness connector |
| 4. Steering column assembly | 5. Steering column cover (lower) | 6. Steering lock escation |
| 7. Steering column cover (upper) | | |

Removal and Installation

WARNING:

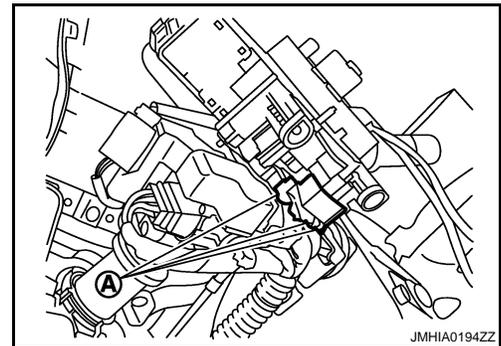
- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Never use air tools or electric tools for servicing.

REMOVAL

1. Remove the driver air bag module. Refer to [SR-24. "Removal and Installation"](#).
2. Remove the steering wheel. Refer to [ST-10. "Exploded View"](#).
3. Remove the steering column cover (upper/lower). Refer to [IP-13. "Removal and Installation"](#).
4. Disconnect spiral cable body side harness connectors (A).

NOTE:

Disconnect spiral cable body side harness connector after removing the spiral cable.



5. Remove the spiral cable fixing screws.
6. Pull out forward the spiral cable.

CAUTION:

- 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.

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SPIRAL CABLE

< ON-VEHICLE REPAIR >

[FOR MEXICO]

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

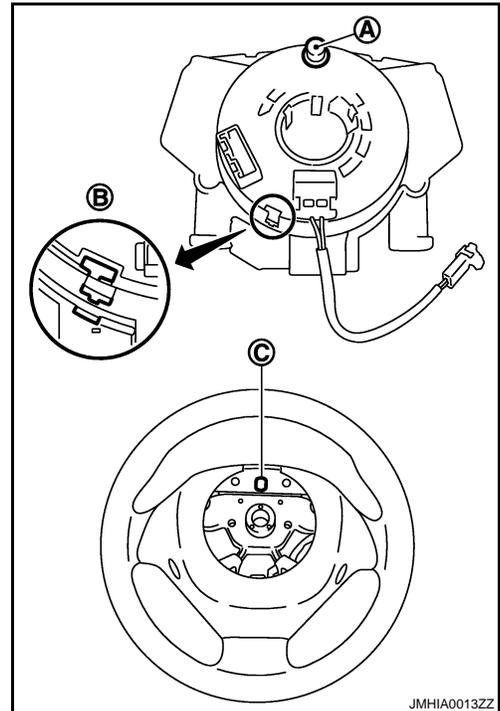


INSTALLATION

Install in the reverse order of removal.

CAUTION:

- The spiral cable may snap during steering operation if the cable is installed in an improper position. The neutral position is set as follows.
- Turn carefully the spiral cable clockwise to the end position. Then turn it counterclockwise (about 2 and a half turns) and stop turning at the point (B) on which the stopper insertion holes are in the same position.
- The service part is installed in the neutral position by the stopper and can be set without adjusting after the stopper is removed.
- Never over turn the spiral cable or go beyond number of turns required. (These will cause the cable to snap.)
- Adjust the spiral cable locating pin (A) to the steering wheel locating pin hole (C).



- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.
- After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-179, "Diagnosis Description"](#).

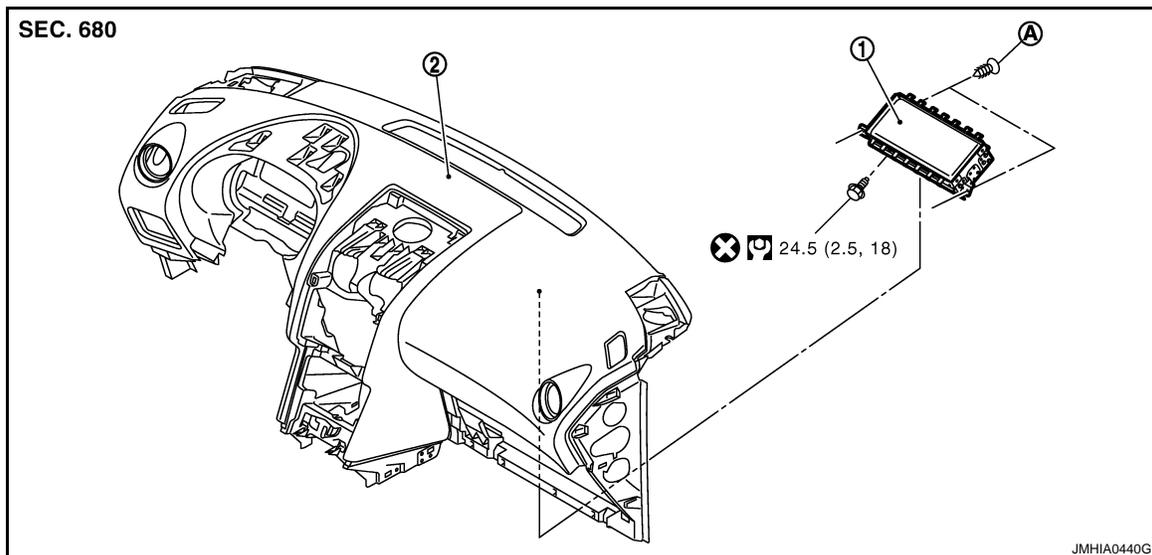
FRONT PASSENGER AIR BAG MODULE

< ON-VEHICLE REPAIR >

[FOR MEXICO]

FRONT PASSENGER AIR BAG MODULE

Exploded View



1. Passenger air bag module
 2. Instrument panel assembly
- A. Screws

Refer to [GI-4, "Components"](#) for symbols in the figure.

Removal and Installation

INFOID:000000001897685

WARNING:

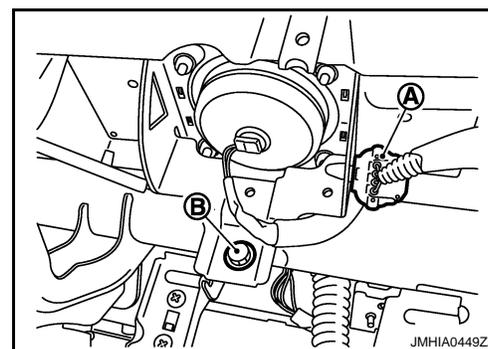
- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Always work from the side of air bag module. Never work in front of it.
- Never use air tools or electric tools for servicing.

REMOVAL

1. Remove the glove box lid assembly. Refer to [IP-13, "Removal and Installation"](#).
2. Remove the Instrument lower assist panel. Refer to [IP-13, "Removal and Installation"](#).
3. Disconnect passenger air bag harness connector (A).
4. Remove the passenger air bag module fixing bolt (B).

NOTE:

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

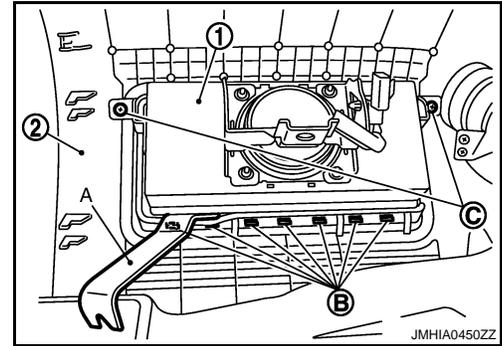


FRONT PASSENGER AIR BAG MODULE

< ON-VEHICLE REPAIR >

[FOR MEXICO]

5. Remove the instrument panel assembly (2).
6. Remove the passenger air bag module fixing screws (C).
7. Disconnect pawls (B) by using remover tool (A), and then remove passenger air bag module (1) from instrument panel.

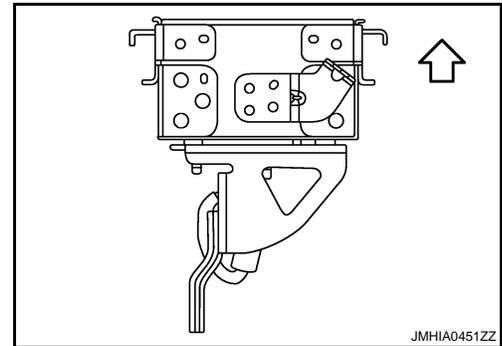


CAUTION:

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

↕ : Upward

- Never insert any foreign objects (screwdriver, etc.) into passenger air bag module.
- Never disassemble passenger air bag module.
- Never use old fixing bolts after removal; replace with new bolts.
- Never expose the passenger air bag module to temperatures exceeding 90°C (194°F).
- Never allow oil, grease or water to come in contact with the passenger air bag module.
- Replace the passenger air bag module if it has been dropped or sustained an impact.



INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Never damage the harness while installing.
- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.
- After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-179. "Diagnosis Description"](#).

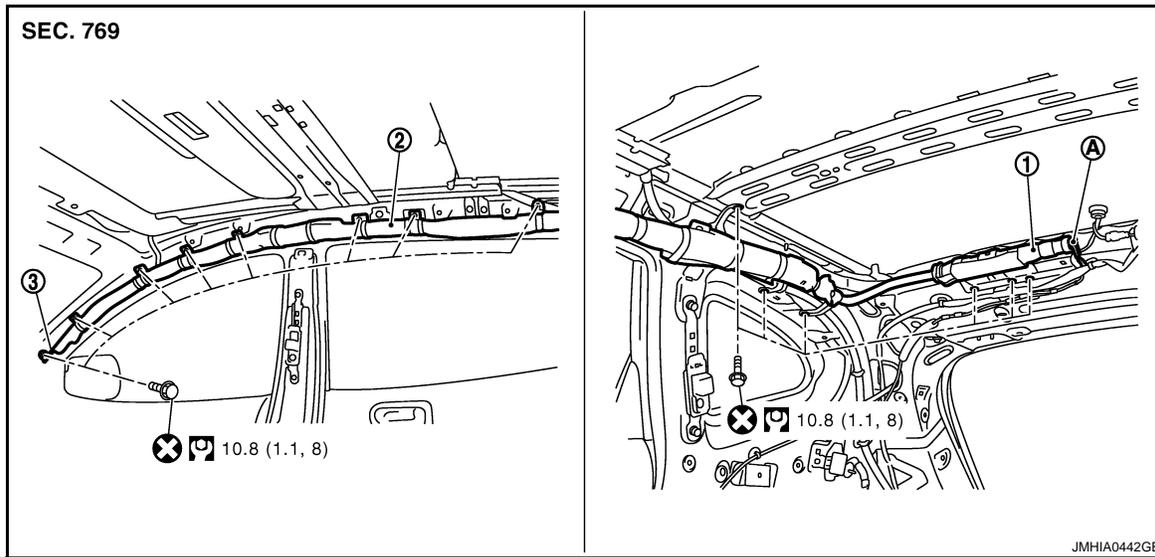
SIDE CURTAIN AIR BAG MODULE

< ON-VEHICLE REPAIR >

[FOR MEXICO]

SIDE CURTAIN AIR BAG MODULE

Exploded View



1. Side curtain air bag inflator
 2. Side curtain air bag
 3. Strap
- A. Side curtain air bag harness connector

Refer to [GI-4, "Components"](#) for symbols in the figure.

Removal and Installation

INFOID:000000001897687

WARNING:

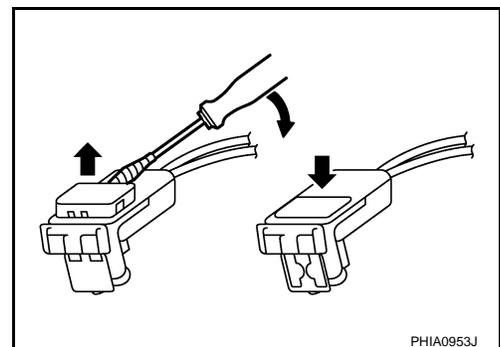
- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Never use air tools or electric tools for servicing.

REMOVAL

1. Remove the headlining.
 - NORMAL ROOF: Refer to [INT-24, "NORMAL ROOF : Removal and Installation"](#).
 - SUNROOF: Refer to [INT-27, "SUNROOF : Removal and Installation"](#).
2. Remove the side curtain air bag harness connector.

NOTE:

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



3. Remove fixing bolts, and then remove side curtain air bag module.

CAUTION:

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

SIDE CURTAIN AIR BAG MODULE

< ON-VEHICLE REPAIR >

[FOR MEXICO]

- Replace the side curtain air bag module if it has been dropped or sustained an impact.



INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Never damage the harness while installing.
- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.
- After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-179, "Diagnosis Description"](#).

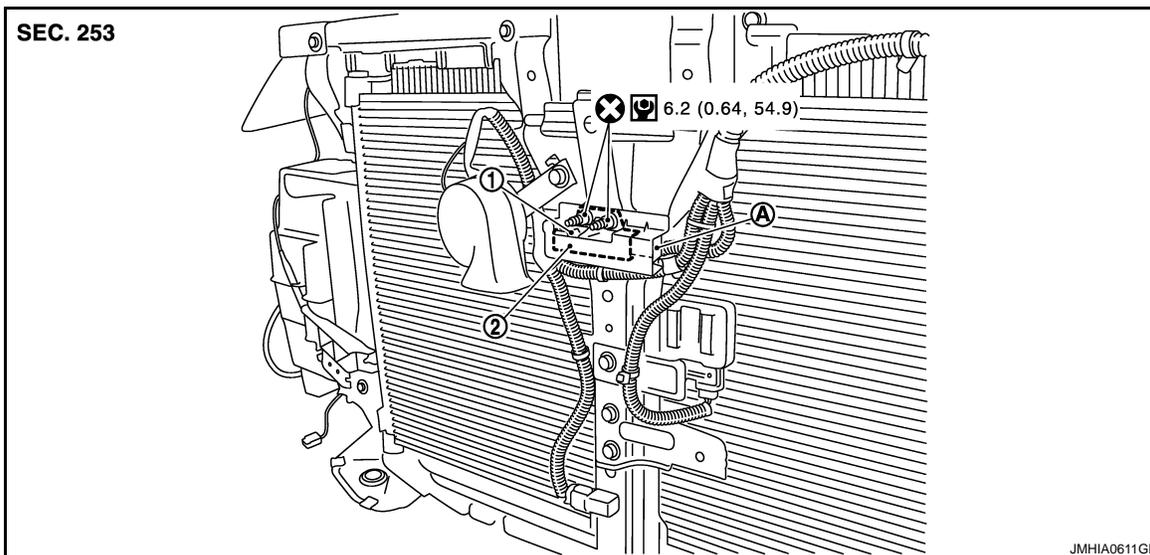
CRASH ZONE SENSOR

< ON-VEHICLE REPAIR >

[FOR MEXICO]

CRASH ZONE SENSOR

Exploded View



1. Crash zone sensor
2. Crash zone sensor cover
- A. Crash zone sensor harness connector

Refer to [GI-4, "Components"](#) for symbols in the figure.

Removal and Installation

INFOID:000000001897689

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Never use air tools or electric tools for servicing.

REMOVAL

1. Remove the front bumper upper clips. Refer to [EXT-13, "Exploded View"](#).
2. Remove the crash zone sensor fixing nuts.
3. Disconnect crash zone sensor harness connector, and then remove crash zone sensor.

CAUTION:

- Replace the crash zone sensor if it has been dropped or sustained an impact.



- Never use old fixing nuts after removal; replace with new nuts.
- Replace the crash zone sensor of deployed SRS driver air bag and deployed SRS front passenger air bag.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Never damage the harness while installing.

CRASH ZONE SENSOR

< ON-VEHICLE REPAIR >

[FOR MEXICO]

-
- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
 - In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.
 - After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-179, "Diagnosis Description"](#).

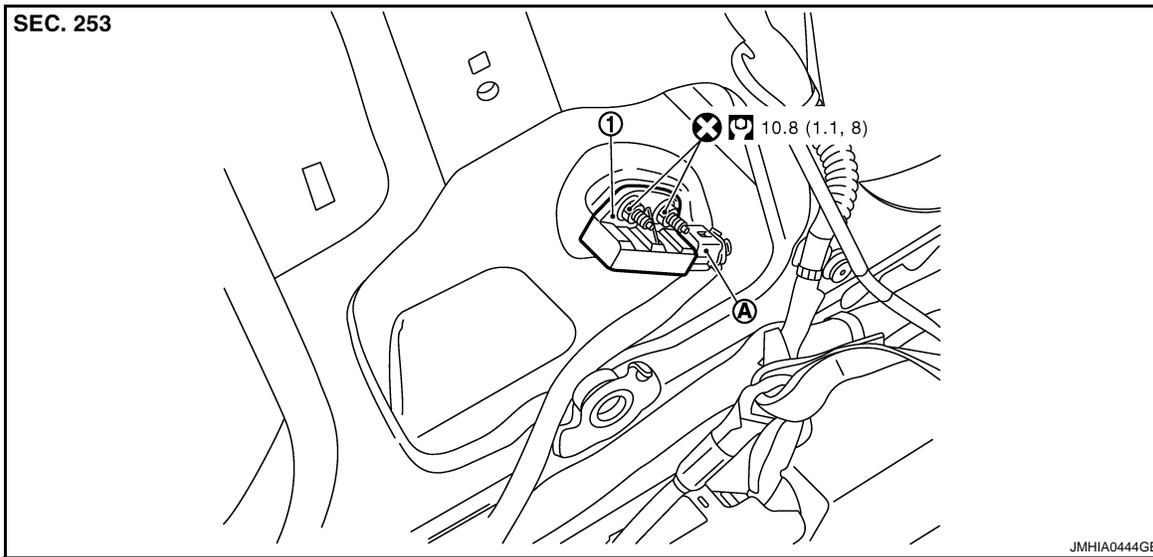
SIDE AIR BAG (SATELLITE) SENSOR

< ON-VEHICLE REPAIR >

[FOR MEXICO]

SIDE AIR BAG (SATELLITE) SENSOR

Exploded View



1. Satellite sensor
- A. Satellite sensor harness connector

Refer to [GI-3. "Contents"](#) for symbols in the figure.

Removal and Installation

INFOID:000000001897691

WARNING:

- Before servicing, turn ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.
- Never use air tools or electric tools for servicing.

REMOVAL

1. Remove the front seat belt. Refer to [SB-6. "SEAT BELT RETRACTOR : Removal and Installation"](#).
2. Remove the satellite sensor fixing nuts.
3. Disconnect satellite sensor harness connector, and then remove satellite sensor.

CAUTION:

- Replace the satellite sensor if it has been dropped or sustained an impact.



- Never use old fixing nuts after removal; replace with new nuts.
- Replace the satellite sensor of deployed SRS front side air bag module and deployed SRS side curtain air bag module.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Never damage the harness while installing.

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SIDE AIR BAG (SATELLITE) SENSOR

< ON-VEHICLE REPAIR >

[FOR MEXICO]

-
- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
 - In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.
 - After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-179, "Diagnosis Description"](#).

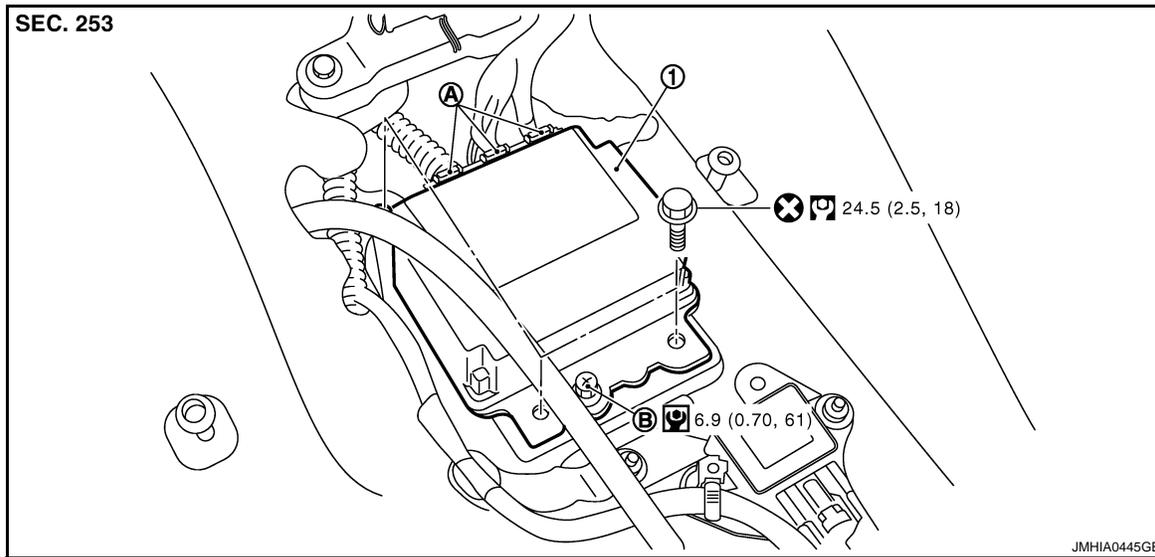
DIAGNOSIS SENSOR UNIT

< ON-VEHICLE REPAIR >

[FOR MEXICO]

DIAGNOSIS SENSOR UNIT

Exploded View



1. Diagnosis sensor unit
- A. Diagnosis sensor unit harness connectors
- B. Ground bolt

Refer to [GI-4, "Components"](#) for symbols in the figure.

Removal and Installation

INFOID:000000001897693

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 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 air tools or electric tools for servicing.

REMOVAL

1. Disconnect each connector of all air bag modules and pre-tensioner seat belts.
2. Remove the center console assembly. Refer to [IP-20, "Removal and Installation"](#).
3. Disconnect diagnosis sensor unit harness connectors.
4. Remove fixing bolts, ground bolt, and then remove diagnosis sensor unit.

CAUTION:

- Replace the diagnosis sensor unit if it has been dropped or sustained an impact.



- Never use old fixing bolts after removal; replace with new fixing bolts.
- Replace the diagnosis sensor unit of deployed SRS air bag and deployed SRS front seat belt pre-tensioner.

DIAGNOSIS SENSOR UNIT

< ON-VEHICLE REPAIR >

[FOR MEXICO]

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Never damage the harness while installing.
- In the case that a malfunction is detected by the air bag warning lamp, reset by the self-diagnosis function and delete the memory by CONSULT-III.
- In the case that a malfunction is still detected after the above operation, perform self-diagnosis to repair malfunctions.
- After the work is completed, check that no system malfunction is detected by air bag warning lamp. Refer to [SRC-179, "Diagnosis Description"](#).

ECU DISCRIMINATED NO.

After replacing the diagnosis sensor unit, confirm that the diagnosis sensor unit identification is correct for the vehicle as equipped.

Specification		ECU DISCRIMINATED No.
2WD	Models with driver and passenger air bag, seat belt pre-tensioner, seat belt pre-tensioner 2, front side air bag and side curtain air bag	FAEB
4WD		

FRONT SEAT BELT PRE-TENSIONER

< ON-VEHICLE REPAIR >

[FOR MEXICO]

FRONT SEAT BELT PRE-TENSIONER

Removal and Installation

INFOID:000000001897694

For removal and installation procedures, refer to [SB-6. "SEAT BELT RETRACTOR : Removal and Installation"](#).

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