

SECTION **SB**
SEAT BELT

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PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000006431284

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:000000006431285

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

< PRECAUTION >

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 Seat Belt Service

INFOID:000000006369628

CAUTION:

- Before removing the front seat belt pre-tensioner assembly, turn the ignition switch off, disconnect battery negative terminal and wait at least 3 minutes.
- Do not use electrical test equipment for front seat belt pre-tensioner connector.
- After replacing or reinstalling front seat belt pre-tensioner assembly, or reconnecting front seat belt pre-tensioner connector, check the system function. Refer to [SRC-12, "Description"](#).
- Do not use disassembled buckle or seat belt assembly.
- Replace anchor bolts if they are deformed or worn out.
- Never oil tongue and buckle.
- If any component of seat belt assembly is questionable, do not repair. Replace the entire seat belt assembly.
- If webbing is cut, frayed or damaged, replace seat belt assembly.
- When replacing seat belt assembly, use a genuine NISSAN seat belt assembly.

AFTER A COLLISION

WARNING:

Inspect all seat belt assemblies including retractors and attached hardware after any collision. NISSAN recommends that all seat belt assemblies in use during a collision be replaced unless the collision was minor and the belts show no damage and continue to operate properly. Failure to do so could result in serious personal injury in an accident. Seat belt assemblies not in use during a collision should also be replaced if either damage or improper operation is noted. Seat belt pre-tensioners should be replaced even if the seat belts are not in use during a frontal collision in which the air bags are deployed.

Replace any seat belt assembly (including anchor bolts) if:

- The seat belt was in use at the time of a collision (except for minor collisions and the belts, retractors and buckles show no damage and continue to operate properly).
- The seat belt was damaged in an accident (i.e. torn webbing, bent retractor or guide).
- The seat belt attaching point was damaged in an accident. Inspect the seat belt attaching area for damage or distortion and repair as necessary before installing a new seat belt assembly.
- Anchor bolts are deformed or worn out.
- The front seat belt pre-tensioner should be replaced even if the seat belts are not in use during the collision in which the air bags are deployed.

FRONT SEAT BELT

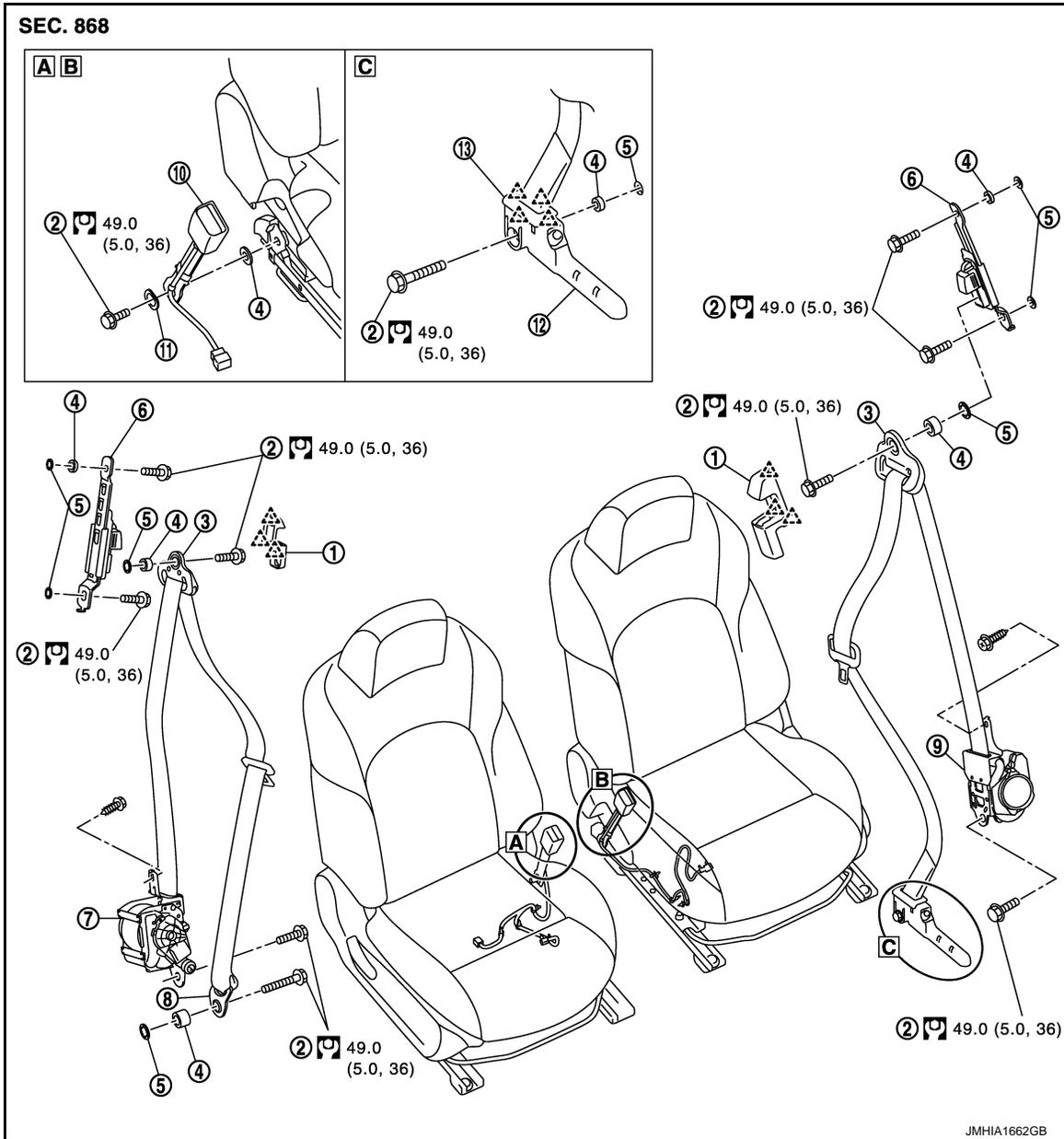
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

FRONT SEAT BELT

Exploded View

INFOID:000000006418835



- | | | |
|---|---------------------|--|
| 1. Adjuster cover | 2. Anchor bolt | 3. Shoulder anchor |
| 4. Spacer | 5. Retaining washer | 6. Seat belt adjuster |
| 7. Seat belt pre-tensioner retractor (Passenger side) | 8. Outer anchor | 9. Seat belt pre-tensioner retractor (Driver side) |
| 10. Seat belt buckle | 11. Wave washer | 12. Lap pre-tensioner |
| 13. Lap pre-tensioner seat belt garnish | | |

△ : Pawl

Ⓜ : N·m (kg·m, ft·lb)

SEAT BELT RETRACTOR

FRONT SEAT BELT

< REMOVAL AND INSTALLATION >

SEAT BELT RETRACTOR : Removal and Installation

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REMOVAL

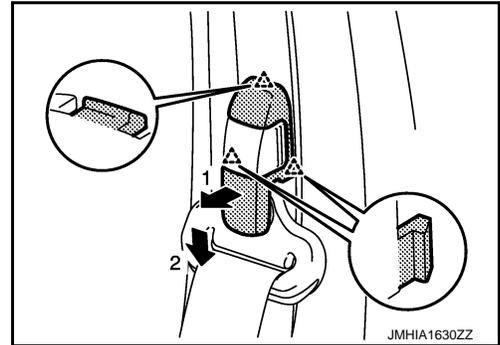
WARNING:

Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more.

Driver side

1. Remove shoulder anchor.
 1. Slide driver seat to the frontmost position.
 2. Pull adjuster cover in direction indicated by arrows as shown in the figure. Remove adjuster cover.

 : Pawl



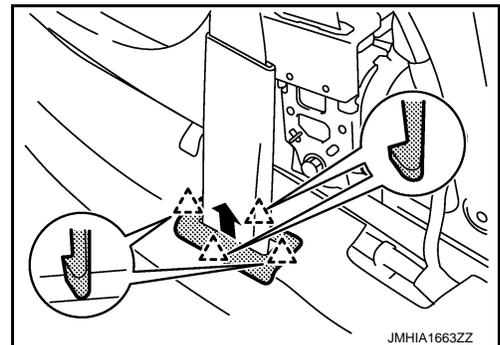
3. Remove shoulder anchor mounting anchor bolt.
2. Remove lap pre-tensioner.
 1. Remove front kicking plate inner and rear kicking plate inner.
Refer to [INT-19, "KICKING PLATE INNER : Removal and Installation"](#).
 2. Remove center pillar lower garnish.
Refer to [INT-20, "CENTER PILLAR LOWER GARNISH : Removal and Installation"](#).
 3. Remove driver seat from the vehicle.
Refer to [SE-19, "Removal and Installation"](#).

CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

4. Lift up lap pre-tensioner seat belt garnish, disengage pawls, and remove lap pre-tensioner seat belt garnish.

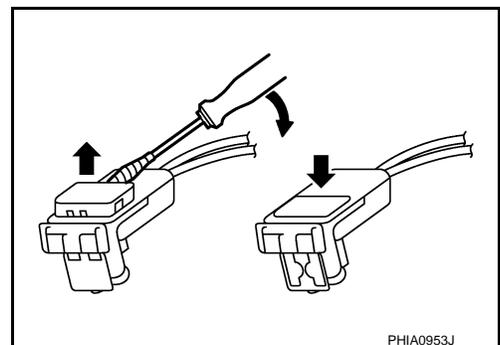
 : Pawl



5. Pull up floor carpet and disconnect lap pre-tensioner seat belt harness connector.

CAUTION:

- For installing/removing lap pre-tensioner 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.



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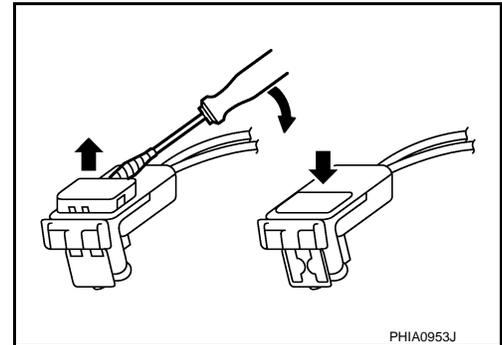
FRONT SEAT BELT

< REMOVAL AND INSTALLATION >

6. Remove lap pre-tensioner mounting anchor bolt.
3. Remove seat belt pre-tensioner retractor.
 1. Remove seat belt pre-tensioner retractor mounting anchor bolt and screw.
 2. Disconnect seat belt pre-tensioner harness connector.

CAUTION:

- For installing/removing seat belt pre-tensioner 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.



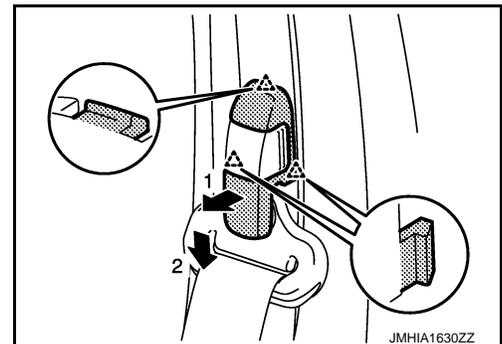
- Never place pre-tensioner seat belt in an area where the temperature reaches 80°C or more.

4. Remove seat belt adjuster.
 1. Remove center pillar upper garnish.
Refer to [INT-21, "CENTER PILLAR UPPER GARNISH : Removal and Installation"](#).
 2. Remove seat belt adjuster mounting anchor bolts.

Passenger side

1. Remove shoulder anchor.
 1. Slide passenger seat to the frontmost position.
 2. Pull adjuster cover in direction indicated by arrows as shown in the figure. Remove adjuster cover.

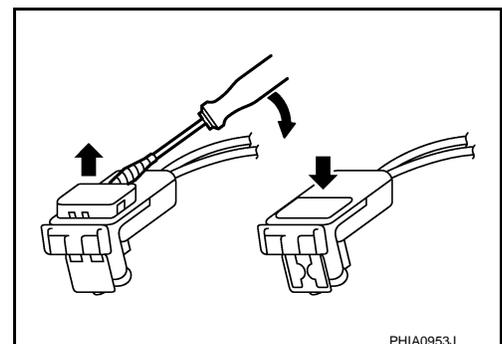
 : Pawl



3. Remove shoulder anchor mounting anchor bolt.
2. Remove outer anchor mounting anchor bolt, and then remove outer anchor.
3. Remove seat belt pre-tensioner retractor.
 1. Remove front kicking plate inner and rear kicking plate inner.
Refer to [INT-19, "KICKING PLATE INNER : Removal and Installation"](#).
 2. Remove center pillar lower garnish.
Refer to [INT-20, "CENTER PILLAR LOWER GARNISH : Removal and Installation"](#).
 3. Disconnect seat belt pre-tensioner harness connector.

CAUTION:

- For installing/removing seat belt pre-tensioner 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.



FRONT SEAT BELT

< REMOVAL AND INSTALLATION >

4. Remove seat belt pre-tensioner retractor mounting anchor bolt and screw.

CAUTION:

Never place pre-tensioner seat belt in an area where the temperature reaches 80°C or more.

4. Remove seat belt adjuster.
 1. Remove center pillar upper garnish.
Refer to [INT-21, "CENTER PILLAR UPPER GARNISH : Removal and Installation"](#).
 2. Remove seat belt adjuster mounting anchor bolts.

INSTALLATION

Install in the reverse order of removal.

SEAT BELT RETRACTOR : Inspection

INFOID:00000006418882

AFTER A COLLISION

WARNING:

Inspect all seat belt assemblies including retractors and attached hardware after any collision.

NISSAN/INFINITI recommends that all seat belt assemblies in use during a collision be replaced unless the collision was minor and the belts show no damage and continue to operate properly. Failure to do so could result in serious personal injury in an accident. Seat belt assemblies not in use during a collision should also be replaced if either damage or improper operation was noted. Seat belt pre-tensioners should be replaced even if the seat belts were not in use during a frontal collision in which the air bags were deployed.

Replace any seat belt assembly (including anchor bolts) if:

- The seat belt is in use at the time of a collision (except for minor collisions and the belts, retractors and buckles show no damage and continue to operate properly).
- The seat belt is damaged in an accident (i.e. torn webbing, bent retractor or guide, etc.).
- The seat belt attaching point is damaged in an accident. Inspect the seat belt attaching area for damage or distortion and repair if necessary before installing a new seat belt assembly.
- Anchor bolts are deformed or worn out.
- The seat belt pre-tensioners must be replaced even if the seat belts were not in use during the collision in which the air bags were deployed.

PRELIMINARY CHECKS

1. Check the seat belt warning lamp for proper operation as per the following:
 - a. Turn ignition switch ON. The seat belt warning lamp should illuminate.
 - b. Fasten driver seat belt. The seat belt warning lamp should turn OFF.
2. If the air bag warning lamp is blinking, perform self-diagnosis with CONSULT-III and air bag warning lamp. Refer to [SRC-12, "Description"](#).
3. Check that the seat belt retractor, seat belt anchor and buckle bolts are tightened firmly.
4. Check the shoulder seat belt guide and shoulder belt height adjuster for front seats. Check that guide swivels freely and that webbing lays flat and does not bind in guide. Check that height adjuster operates properly and holds securely.
5. Check retractor operation:
 - a. Fully extend the seat belt webbing and check for twists, tears or other damage.
 - b. Allow the seat belt to retract. Check that webbing returns smoothly and completely into the retractor. If the seat belt does not return smoothly, wipe the inside of the loops with a clean paper cloth. Dirt build-up in the loops of the upper anchors can cause the seat belts to retract slowly.
 - c. Fasten the seat belt. Check that seat belt returns smoothly and completely to the retractor. If the webbing does not return smoothly, the cause may be an accumulation of dust or dirt. Use the "SEAT BELT TAPE SET" and perform the following steps.

Inspect the front seat belt through-anchor

1. Pull the seat belt out to a length of 500 mm (19.69 in) or more.
2. Fix the seat belt at the center pillar webbing opening with a clip or other device.
3. Pass a thin wire through the through-anchor webbing opening. Hold both ends of the wire and pull it tightly while moving it up and down several times along the webbing opening surface to remove dirt stuck there.
4. Any dirt that cannot be removed with the wire can be removed by cleaning the opening with a clean cloth.

FRONT SEAT BELT

< REMOVAL AND INSTALLATION >

5. Apply tape at the point where the webbing contacts the through-anchor webbing opening.

NOTE:

Apply the tape so that there is no slack or wrinkling.

6. Remove the clip fixing the seat belt and check that the webbing returns smoothly.
6. Repeat steps above if necessary to check the other seat belts.

SEAT BELT RETRACTOR ON-VEHICLE CHECK

Emergency Locking Retractors (ELR)

NOTE:

All seat belt retractors are Emergency Locking Retractors (ELR) type. In an emergency (sudden stop) the retractor will lock and prevent the webbing from extending any further.

Check the seat belt retractors with the following test(s) to determine if a retractor assembly is operating normally.

ELR Function Stationary Check

Grasp the shoulder webbing and pull forward quickly. The retractor should lock and prevent the belt from extending further.

ELR Function Moving Check

WARNING:

Perform the following test in a safe, open area clear of other vehicles and obstructions (for example, a large, empty parking lot). Road surface must be paved and dry. Never perform the following test on wet or gravel roads or on public streets and highways. This could result in an accident and serious personal injury. The driver and passenger must be prepared to brace themselves in the event that the retractor does not lock.

1. Fasten driver seat belt. Buckle a passenger into the seat for the belt that is to be tested.
2. Proceed to the designated safe area.
3. Drive the vehicle at approximately 16 km/h (10 MPH). Notify any passengers of a pending sudden stop and the driver and passenger must be prepared to brace themselves in the event that the retractor does not lock. Apply brakes firmly and make a very hard stop.

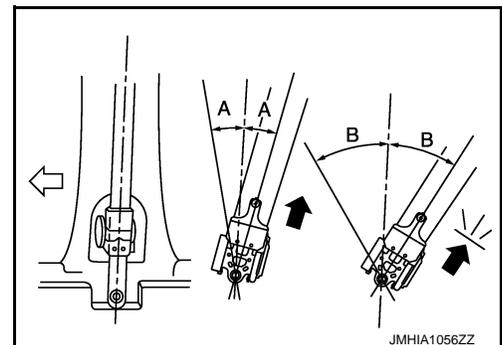
During stopping, seat belts should lock and not be extended. If the seat belt retractor assembly does not lock, perform the retractor off-vehicle check.

SEAT BELT RETRACTOR OFF-VEHICLE CHECK

1. Remove the front seat belt retractor. Refer to [SB-5, "SEAT BELT RETRACTOR : Removal and Installation"](#).
2. Slowly pull out webbing while tilting the retractor assembly forward from the mounted position without twisting the retractor assembly as shown in the figure.
 - The webbing can be pulled out when the angle (A) is 12 degrees or less.
 - The webbing cannot be pulled out when the angle (B) is 13 degrees or more.

A and B : Tilting angles

← : Vehicle front



3. Replace the seat belt assembly if it does not operate normally.

SEAT BELT BUCKLE

SEAT BELT BUCKLE : Removal and Installation

INFOID:000000006418838

REMOVAL

WARNING:

FRONT SEAT BELT

< REMOVAL AND INSTALLATION >

Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more.

1. Remove front seat from the vehicle.
Refer to [SE-19, "Removal and Installation"](#).
CAUTION:
When removing and installing, use shop cloths to protect parts from damage.
2. Disconnect occupant detection unit harness connector. (Passenger seat only)
3. Remove harness fixing clamps of seat belt buckle and connector fixing clip that are installed on seat.
4. Remove seat belt buckle mounting anchor bolt, and then remove seat belt buckle from seat.

INSTALLATION

Install in the reverse order of removal.

SEAT BELT BUCKLE : Inspection

INFOID:000000006418883

AFTER A COLLISION

WARNING:

Inspect all seat belt assemblies including retractors and attached hardware after any collision. NISSAN/INFINITI recommends that all seat belt assemblies in use during a collision be replaced unless the collision was minor and the belts show no damage and continue to operate properly. Failure to do so could result in serious personal injury in an accident. Seat belt assemblies not in use during a collision should also be replaced if either damage or improper operation was noted. Seat belt pre-tensioners should be replaced even if the seat belts were not in use during a frontal collision in which the air bags were deployed.

Replace any seat belt assembly (including anchor bolts) if:

- The seat belt is in use at the time of a collision (except for minor collisions and the belts, retractors and buckles show no damage and continue to operate properly).
- The seat belt is damaged in an accident (i.e. torn webbing, bent retractor or guide, etc.).
- The seat belt attaching point is damaged in an accident. Inspect the seat belt attaching area for damage or distortion and repair if necessary before installing a new seat belt assembly.
- Anchor bolts are deformed or worn out.
- The seat belt pre-tensioner must be replaced even if the seat belts were not in use during the collision in which the air bags were deployed.

PRELIMINARY CHECKS

1. Check the seat belt warning lamp for proper operation as per the following:
 - a. Turn ignition switch ON. The seat belt warning lamp should illuminate.
 - b. Fasten driver seat belt. The seat belt warning lamp should turn OFF.
2. If the air bag warning lamp is blinking, perform self-diagnosis using CONSULT-III and air bag warning lamp. Refer to [SRC-12, "Description"](#).
3. Check that the seat belt retractor, seat belt anchor and buckle bolts are tightened firmly.
4. Repeat steps above if necessary to check the other seat belts.

REAR SEAT BELT

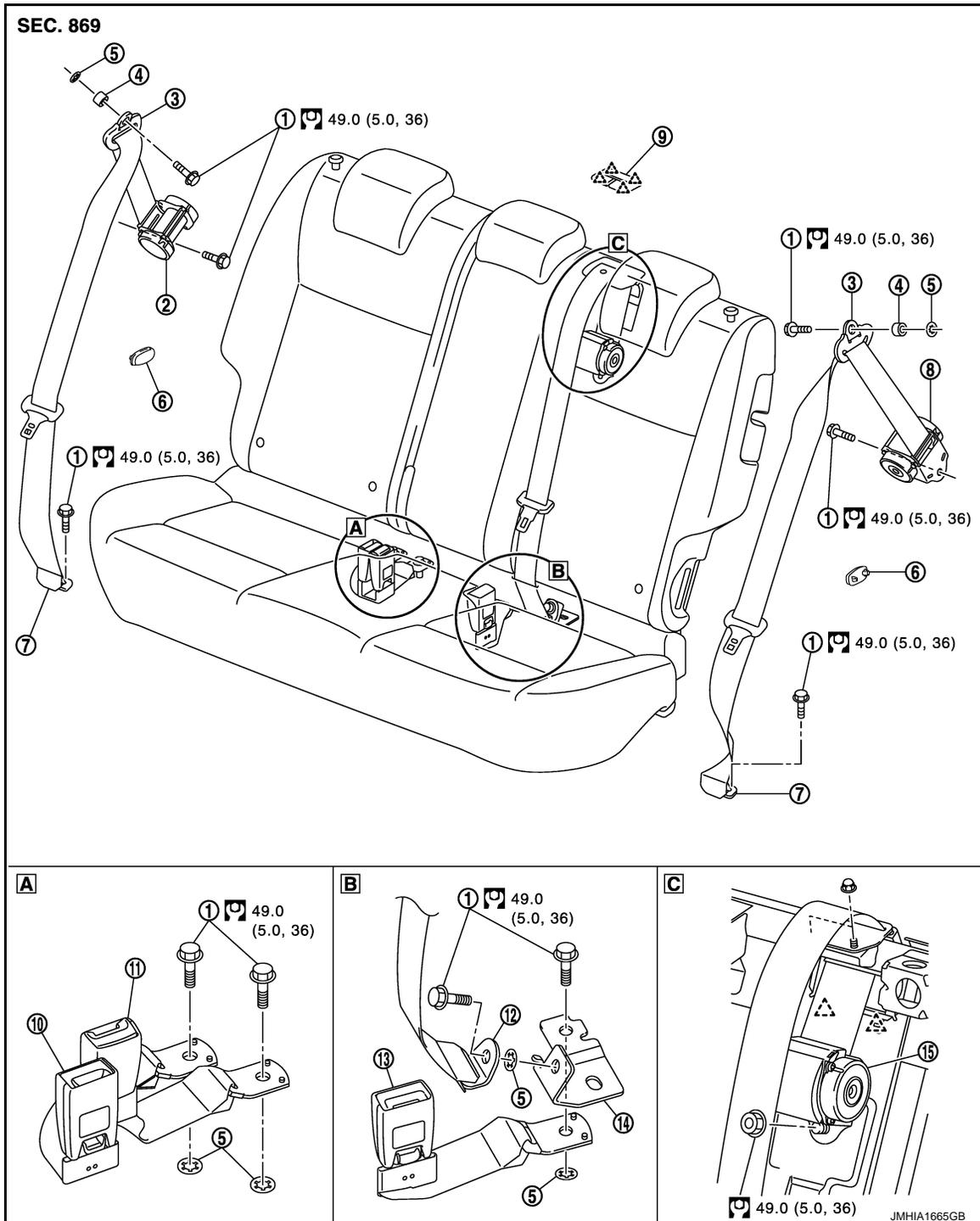
< REMOVAL AND INSTALLATION >

REAR SEAT BELT

Exploded View

INFOID:000000006418840

2WD models



- | | | |
|-----------------------------|---------------------------------|--------------------------------|
| 1. Anchor bolt | 2. Outer seat belt retractor RH | 3. Shoulder anchor |
| 4. Space | 5. Retaining washer | 6. Seat belt hook |
| 7. Outer anchor | 8. Outer seat belt retractor LH | 9. Center seat belt finisher |
| 10. Center seat belt buckle | 11. RH seat belt buckle | 12. Center anchor |
| 13. LH seat belt buckle | 14. Seat belt joint bracket | 15. Center seat belt retractor |

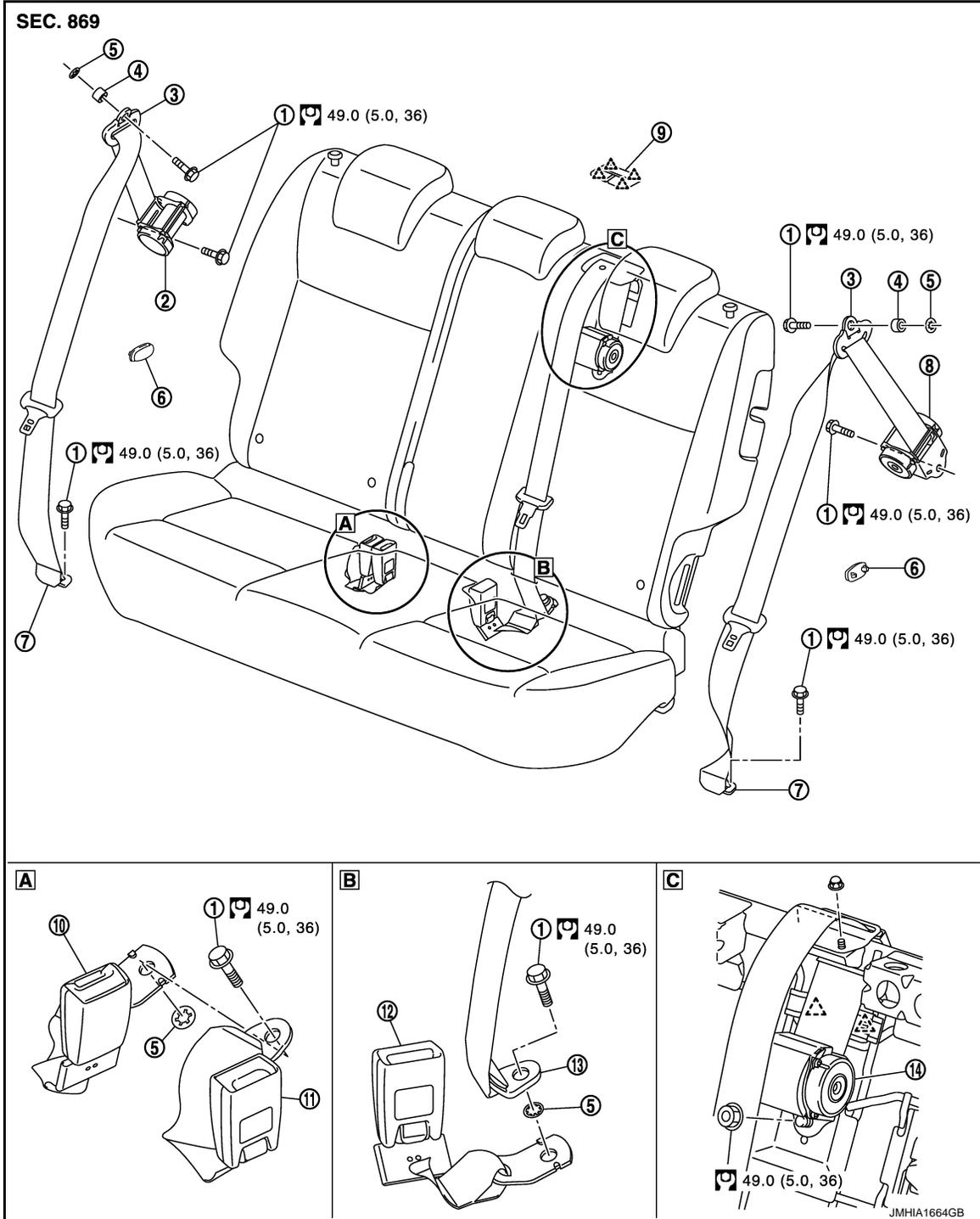
REAR SEAT BELT

< REMOVAL AND INSTALLATION >

 : Pawl

 : N·m (kg·m, ft·lb)

4WD models



1. Anchor bolt
4. Space
7. Outer anchor
10. RH seat belt buckle
13. Center anchor

2. Outer seat belt retractor RH
5. Retaining washer
8. Outer seat belt retractor LH
11. Center seat belt buckle
14. Center seat belt retractor

3. Shoulder anchor
6. Seat belt hook
9. Center seat belt finisher
12. LH seat belt buckle

REAR SEAT BELT

< REMOVAL AND INSTALLATION >

 : Pawl

 : N·m (kg·m, ft·lb)

SEAT BELT RETRACTOR

SEAT BELT RETRACTOR : Removal and Installation

INFOID:000000006418841

REMOVAL

Outer seat belt retractor (2WD models)

1. Remove outer anchor.
 1. Remove rear seat cushion from the vehicle.
Refer to [SE-33, "SEAT CUSHION : Removal and Installation"](#).
 2. Remove outer anchor mounting anchor bolt.
2. Remove shoulder anchor.
 1. Remove rear seatback from the vehicle.
Refer to [SE-33, "SEATBACK : Removal and Installation"](#).
 2. Remove luggage side lower finisher.
Refer to [INT-31, "LUGGAGE SIDE LOWER FINISHER : Removal and Installation"](#).
 3. Remove luggage side upper finisher.
Refer to [INT-32, "LUGGAGE SIDE UPPER FINISHER : Removal and Installation"](#).
 4. Remove shoulder anchor mounting anchor bolt.
3. Remove outer seat belt retractor mounting anchor bolt, and then remove outer seat belt retractor.

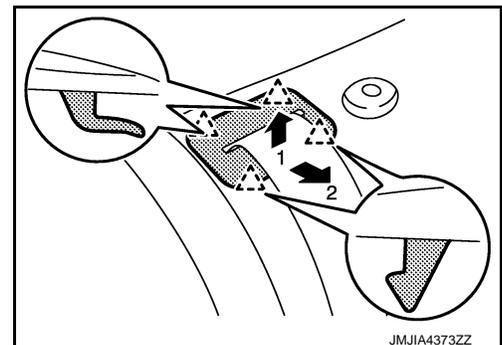
Outer seat belt retractor (4WD models)

1. Remove outer anchor.
 1. Remove rear seatback from the vehicle.
Refer to [SE-43, "SEATBACK : Removal and Installation"](#).
 2. Remove rear seat cushion from the vehicle.
Refer to [SE-42, "SEAT CUSHION : Removal and Installation"](#).
 3. Remove luggage side lower finisher.
Refer to [INT-31, "LUGGAGE SIDE LOWER FINISHER : Removal and Installation"](#).
 4. Remove outer anchor mounting anchor bolt.
2. Remove shoulder anchor.
 1. Remove luggage side upper finisher.
Refer to [INT-32, "LUGGAGE SIDE UPPER FINISHER : Removal and Installation"](#).
 2. Remove shoulder anchor mounting anchor bolt.
3. Remove outer seat belt retractor mounting anchor bolt, and then remove outer seat belt retractor.

Center seat belt retractor

1. Remove center anchor.
 1. Remove rear seat cushion from the vehicle.
Refer to [SE-33, "SEAT CUSHION : Removal and Installation"](#).
 2. Remove center anchor mounting anchor bolt.
2. Remove rear seatback LH from the vehicle.
Refer to [SE-33, "SEATBACK : Removal and Installation"](#).
3. Remove center seat belt finisher from seatback.
Lift up front of center seat belt finisher. Disengage front pawls.
Pull center seat belt finisher toward seat front. Disengage rear pawls.

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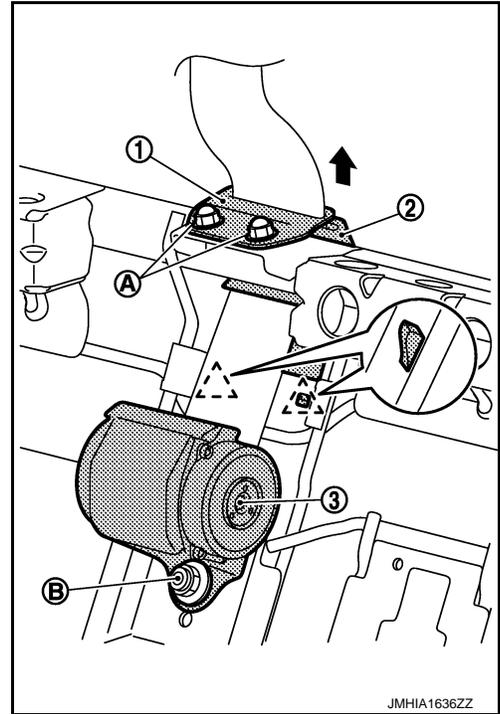


REAR SEAT BELT

< REMOVAL AND INSTALLATION >

4. Remove seatback trim and seatback pad from seatback frame.
 - 2WD models: Refer to [SE-35, "SEATBACK : Disassembly and Assembly"](#).
 - 4WD models: Refer to [SE-44, "SEATBACK : Disassembly and Assembly"](#).
5. Remove seatback silencer from seatback frame.
6. Remove center seat belt retractor.
 1. Remove mounting nuts (A) of upper webbing guide (1). Remove upper webbing guide (1) from seatback frame.
 2. Disengage pawls of lower webbing guide (2). Remove lower webbing guide (2) in direction indicated by arrow as shown in the figure.
 3. Remove mounting anchor nut (B) of center seat belt retractor (3) from seatback frame.

 : Pawl



INATALLATION

Install in the reverse order of removal.

SEAT BELT RETRACTOR : Inspection

INFOID:000000006418884

AFTER A COLLISION

WARNING:

Inspect all seat belt assemblies including retractors and attached hardware after any collision. NISSAN/INFINITI recommends that all seat belt assemblies in use during a collision be replaced unless the collision was minor and the belts show no damage and continue to operate properly. Failure to do so could result in serious personal injury in an accident. Seat belt assemblies not in use during a collision should also be replaced if either damage or improper operation was noted. Seat belt pre-tensioners should be replaced even if the seat belts were not in use during a frontal collision in which the air bags were deployed.

Replace any seat belt assembly (including anchor bolts) if:

- The seat belt is in use at the time of a collision (except for minor collisions and the belts, retractors and buckles show no damage and continue to operate properly).
- The seat belt is damaged in an accident (i.e. torn webbing, bent retractor or guide, etc.).
- The seat belt attaching point is damaged in an accident. Inspect the seat belt attaching area for damage or distortion and repair if necessary before installing a new seat belt assembly.
- Anchor bolts are deformed or worn out.
- The seat belt pre-tensioners must be replaced even if the seat belts were not in use during the collision in which the air bags were deployed.

PRELIMINARY CHECKS

1. Check that the seat belt retractor, seat belt anchor and buckle bolts are tightened firmly.
2. Check retractor operation:
 - a. Fully extend the seat belt webbing and check for twists, tears or other damage.

REAR SEAT BELT

< REMOVAL AND INSTALLATION >

- b. Allow the seat belt to retract. Check that webbing returns smoothly and completely into the retractor. If the seat belt does not return smoothly, wipe the inside of the loops with a clean paper cloth. Dirt build-up in the loops of that upper anchors can cause the seat belts to retract slowly.
 - c. Fasten the seat belt. Check that seat belt returns smoothly and completely to the retractor. If the webbing does not return smoothly, the cause may be an accumulation of dust or dirt. Use the "SEAT BELT TAPE SET" and perform the following steps.
3. Repeat steps above if necessary to check the other seat belts.

SEAT BELT RETRACTOR ON-VEHICLE CHECK

Emergency Locking Retractors (ELR)

NOTE:

All seat belt retractors are Emergency Locking Retractors (ELR) type. In an emergency (sudden stop) the retractor will lock and prevent the webbing from extending any further.

Check the seat belt retractors with the following test(s) to determine if a retractor assembly is operating normally.

ELR Function Stationary Check

Grasp the shoulder webbing and pull forward quickly. The retractor should lock and prevent the belt from extending further.

ELR Function Moving Check

WARNING:

Perform the following test in a safe, open area clear of other vehicles and obstructions (for example, a large, empty parking lot). Road surface must be paved and dry. Never perform the following test on wet or gravel roads or on public streets and highways. This could result in an accident and serious personal injury. The driver and passenger must be prepared to brace themselves in the event that the retractor does not lock.

1. Fasten driver seat belt. Buckle a passenger into the seat for the belt that is to be tested.
2. Proceed to the designated safe area.
3. Drive the vehicle at approximately 16 km/h (10 MPH). Notify any passengers of a pending sudden stop and the driver and passenger must be prepared to brace themselves in the event that the retractor does not lock. Apply brakes firmly and make a very hard stop.

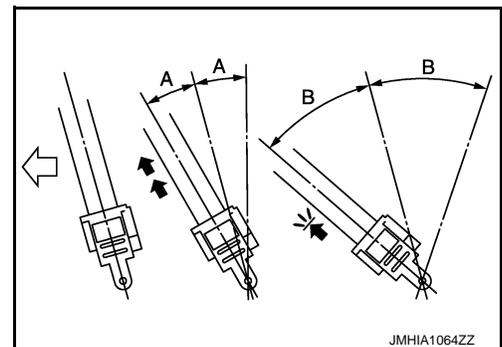
During stopping, seat belts should lock and not be extended. If the seat belt retractor assembly does not lock, perform the retractor off-vehicle check.

SEAT BELT RETRACTOR OFF-VEHICLE CHECK

1. Remove the rear seat belt retractor. Refer to [SB-12, "SEAT BELT RETRACTOR : Removal and Installation"](#).
 2. Slowly pull out webbing while tilting the retractor assembly forward from the mounted position without twisting the retractor assembly as shown in the figure.
- a. Outer seat belt retractor
- The webbing can be pulled out when the angle (A) is 12 degrees or less.
 - The webbing cannot be pulled out when the angle (B) is 13 degrees or more.

A and B : Tilting angles

↔ : Vehicle front



- b. Center seat belt retractor

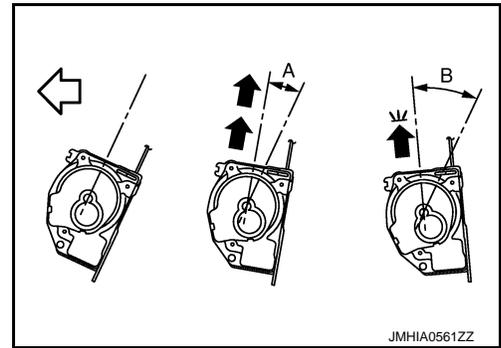
REAR SEAT BELT

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- The webbing can be pulled out when the angle (A) is 12 degrees or less.
- The webbing cannot be pulled out when the angle (B) is 13 degrees or more.

A and B : Tilting angles

← : Vehicle front



3. Replace the seat belt assembly if it does not operate normally.

SEAT BELT BUCKLE

SEAT BELT BUCKLE : Removal and Installation

INFOID:000000006418843

REMOVAL

1. Remove rear seat cushion from the vehicle.
Refer to [SE-33, "SEAT CUSHION : Removal and Installation"](#).
2. Remove seat belt buckle mounting anchor bolt, and then remove seat belt buckle.

INSTALLATION

Install in the reverse order of removal.

SEAT BELT BUCKLE : Inspection

INFOID:000000006418891

AFTER A COLLISION

WARNING:

Inspect all seat belt assemblies including retractors and attached hardware after any collision. NISSAN/INFINITI recommends that all seat belt assemblies in use during a collision be replaced unless the collision was minor and the belts show no damage and continue to operate properly. Failure to do so could result in serious personal injury in an accident. Seat belt assemblies not in use during a collision should also be replaced if either damage or improper operation was noted. Seat belt pre-tensioners should be replaced even if the seat belts were not in use during a frontal collision in which the air bags were deployed.

Replace any seat belt assembly (including anchor bolts) if:

- The seat belt is in use at the time of a collision (except for minor collisions and the belts, retractors and buckles show no damage and continue to operate properly).
- The seat belt is damaged in an accident. (i.e. torn webbing, bent retractor or guide, etc.)
- The seat belt attaching point is damaged in an accident. Inspect the seat belt attaching area for damage or distortion and repair if necessary before installing a new seat belt assembly.
- Anchor bolts are deformed or worn out.
- The seat belt pre-tensioner must be replaced even if the seat belts were not in use during the collision in which the air bags are deployed.

PRELIMINARY CHECKS

1. Check that the seat belt retractor, seat belt anchor and buckle bolts are tightened firmly.
2. Repeat step above if necessary to check the other seat belts.

SEAT BELT HOOK

SEAT BELT HOOK : Removal and Installation

INFOID:000000006418845

REMOVAL

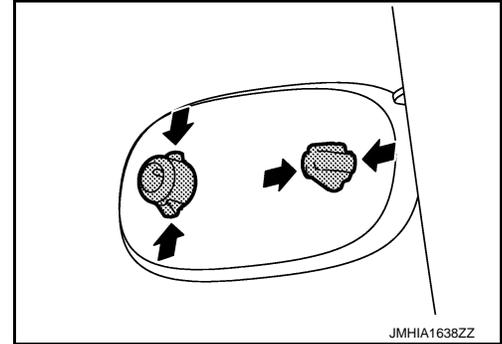
1. Remove rear seatback from the vehicle.
Refer to [SE-33, "SEATBACK : Removal and Installation"](#).
2. Remove rear seat cushion from the vehicle.

REAR SEAT BELT

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Refer to [SE-33. "SEAT CUSHION : Removal and Installation"](#).

3. Remove luggage side lower finisher.
Refer to [INT-31. "LUGGAGE SIDE LOWER FINISHER : Removal and Installation"](#).
4. From back of luggage side lower finisher, press pawls indicated by arrows as shown in the figure and remove seat belt hook from luggage side lower finisher.



INSTALLATION

Install in the reverse order of removal.