

SECTION

PB

PARKING BRAKE SYSTEM

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PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:0000000012430686

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 SR and SB section of this Service Manual.

WARNING:

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

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

WARNING:

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

PREPARATION

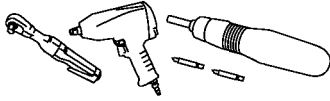
< PREPARATION >

PREPARATION

PREPARATION

Commercial Service Tool

INFOID:0000000012430687

Tool name	Description
Power tool	Loosening nuts, screws and bolts
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PARKING BRAKE SYSTEM

< PERIODIC MAINTENANCE >

PERIODIC MAINTENANCE

PARKING BRAKE SYSTEM

Inspection and Adjustment

INFOID:000000012430688

INSPECTION

Parking Brake Control Stroke

1. When parking brake control is operated with a force of 196 N (20.0 kg-f, 44.1 lb-f), make sure parking brake control stroke is within the specified number of notches. (Check by listening and counting the number of ratchet clicks.)

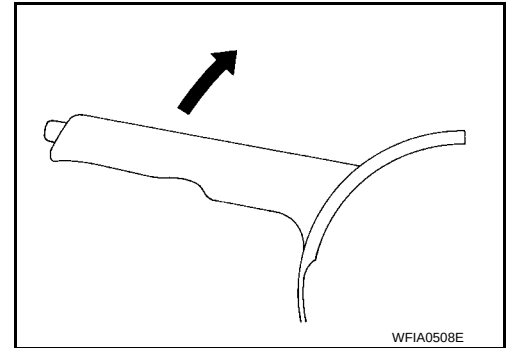
Number of notches

: Refer to [PB-10, "Parking Brake Control"](#).

2. Check that the parking brake lamp illuminates, after parking brake has been operated to the specified number of notches.

Number of notches

: Refer to [PB-10, "Parking Brake Control"](#).

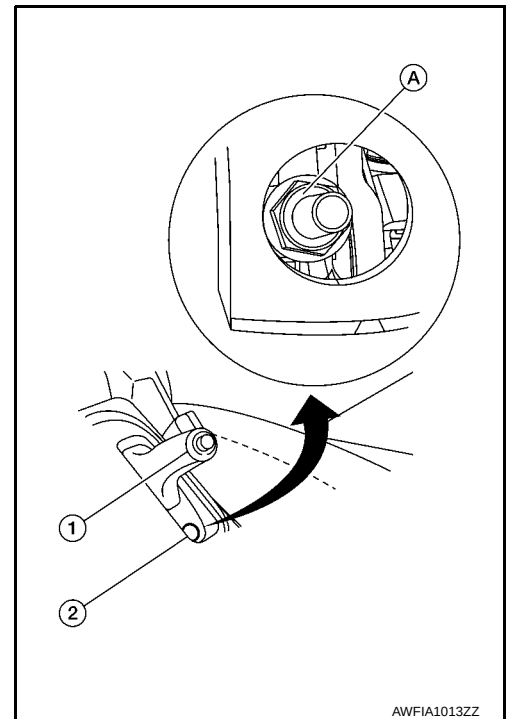


Inspect Components

- Check the parking brake components for bends, wear and or damage. Replace if any damage is noted.
- Check that the parking brake operates properly; be sure that it is not bound up or sticking.
- Check that the brake warning light illuminates after parking brake has been operated to the specified number of notches. Refer to [PB-10, "Parking Brake Control"](#).
- Inspect and adjust the rear brakes if necessary. Refer to [BR-43, "Inspection and Adjustment"](#).

ADJUSTMENT

1. Pull parking brake control (1) until the access hole (2) is visible. Use suitable tool to adjust nut (A).
2. Turn adjusting nut (A) using suitable tool to loosen the front cable.



3. Depress the brake pedal with a force of 196 N (20.0 kg-f, 44.1 lb-f) about 10 times and adjust the brake shoe clearance.
4. Adjust the cable with the following procedure.

CAUTION:

PARKING BRAKE SYSTEM

< PERIODIC MAINTENANCE >

To prevent damage to parts, do not bend the parking brake cables.

- a. Adjust the parking brake lever stroke by turning the adjusting nut using suitable tool.

CAUTION:

Do not reuse the adjusting nut if the nut is removed.

- b. Operate the parking brake lever with a force of 196 N (20.0 kg-f, 44.1lb-f). Check that the lever stroke is within the specified number of notches. (Check by listening and counting the number of the ratchet clicks.)

Number of notches : Refer to [PB-10, "Parking Brake Control"](#).

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PARKING BRAKE CONTROL

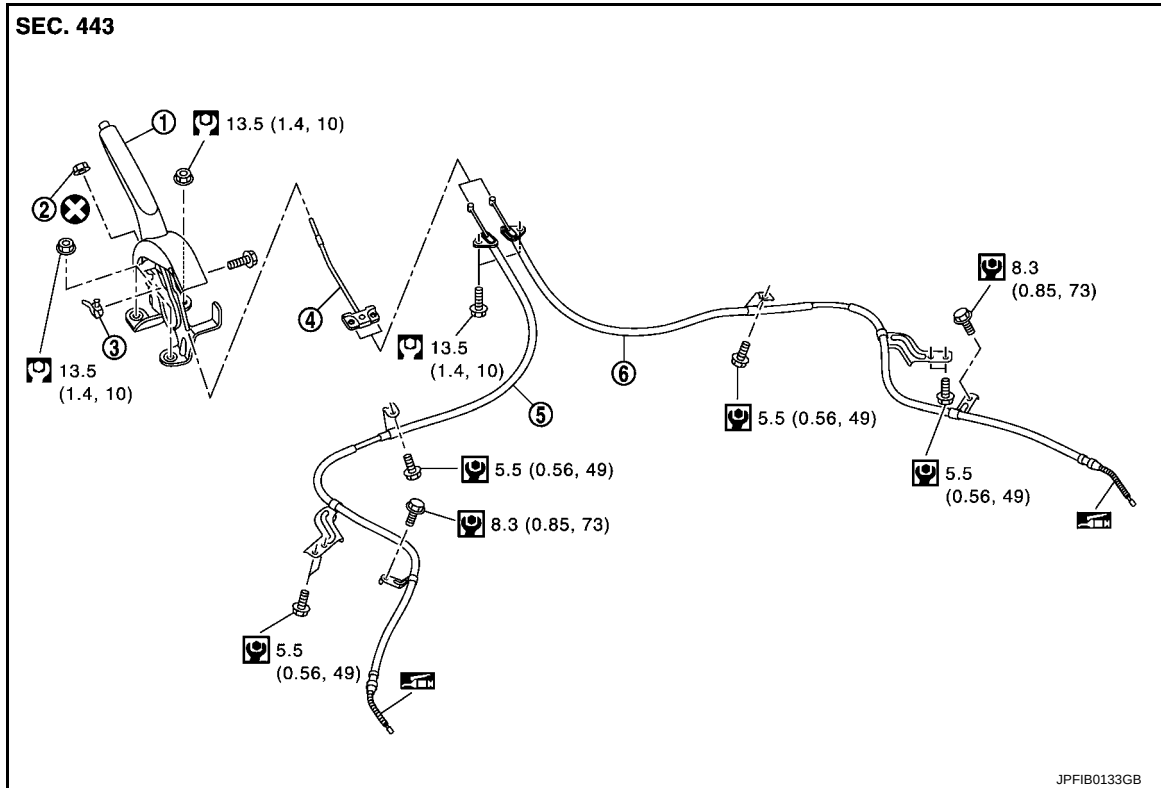
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

PARKING BRAKE CONTROL

Exploded View

INFOID:0000000012430689



Removal and Installation

INFOID:0000000012430690

REMOVAL

1. Remove the center console assembly. Refer to [IP-18, "Removal and Installation"](#).
2. Remove the adjusting nut.
CAUTION:
Do not reuse the adjusting nut.
3. Separate the parking brake front cable from the parking brake rear cables (RH/LH).
4. Disconnect the harness connector from the parking brake switch.
5. Remove the screw and remove the parking brake switch.
6. Remove the nuts and remove the parking brake control.

INSTALLATION

Installation is in the reverse order of the removal.

CAUTION:

- Replace the parking brake control if it has been dropped or sustained an impact.
- Replace the parking brake switch if it has been dropped or sustained an impact.
- Do not reuse the adjusting nut.

Inspect and adjust the parking brake. Refer to [PB-4, "Inspection and Adjustment"](#).

PARKING BRAKE CABLE

< REMOVAL AND INSTALLATION >

PARKING BRAKE CABLE

Removal and Installation

INFOID:0000000012430691

REMOVAL

1. Remove the center console assembly. Refer to [IP-18, "Removal and Installation"](#).
2. Remove the adjusting nut. Refer to [PB-6, "Exploded View"](#).
3. Separate the parking brake front cable from parking brake rear cables (RH/LH). Refer to [PB-6, "Exploded View"](#).

CAUTION:

To prevent damage to the parts, do not bend the parking brake cables.

4. Remove the parking brake front cable.

INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

Do not reuse the adjusting nut.

- Inspect and adjust the parking brake. Refer to [PB-4, "Inspection and Adjustment"](#).

PARKING BRAKE REAR CABLE

< REMOVAL AND INSTALLATION >

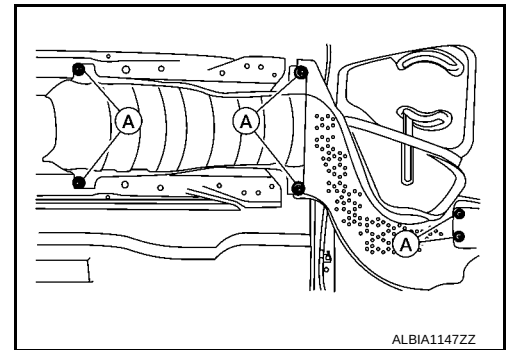
PARKING BRAKE REAR CABLE

Removal and Installation

INFOID:000000012430692

REMOVAL

1. Remove the center console assembly. Refer to [IP-18, "Removal and Installation"](#).
2. Loosen the adjusting nut. Refer to [PB-6, "Exploded View"](#).
NOTE:
It is not necessary to remove the parking brake front cable.
3. Separate the parking brake rear cables (RH/LH) from the parking brake front cable. Refer to [PB-6, "Exploded View"](#).
4. Remove the rear wheels and tires using power tool. Refer to [WT-48, "Exploded View"](#).
5. Remove rear wheel sensors. Refer to [BRC-143, "REAR SENSOR ROTOR : Removal and Installation"](#).
6. Remove the rear drum brake components. Refer to [BR-41, "Removal and Installation"](#).
CAUTION:
Do not separate the brake tube from the wheel cylinders.
7. Remove the center muffler. Refer to [EX-5, "Exploded View"](#).
8. Remove nuts (A) and remove center floor insulators.



9. Remove the bolts and remove the parking brake rear cables (RH/LH).
CAUTION:
Do not excessively bend the parking brake cables.

INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

Do not reuse the adjusting nut if the nut is removed.

- Inspect and adjust the rear brakes. Refer to [BR-43, "Inspection and Adjustment"](#).
- Inspect and adjust the parking brake. Refer to [PB-4, "Inspection and Adjustment"](#).

PARKING BRAKE SWITCH

< REMOVAL AND INSTALLATION >

PARKING BRAKE SWITCH

Removal and Installation

INFOID:0000000012430693

REMOVAL

1. Remove the center console assembly. Refer to [PB-6, "Exploded View"](#).
2. Disconnect the harness connector from the parking brake switch. Refer to [PB-6, "Exploded View"](#).
3. Remove the screw and remove the parking brake switch. Refer to [PB-6, "Exploded View"](#).

INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

Replace the parking brake switch if it has been dropped or sustained an impact.

Adjust the parking brake cable if necessary. Refer to [PB-4, "Inspection and Adjustment"](#).

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SERVICE DATA AND SPECIFICATIONS (SDS)

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SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Parking Brake Control

INFOID:0000000012430694

Item	Standard
Number of notches [under force of 196 N (20.0 kg-f, 44.1 lb-f)]	11 – 12 notches
Number of notches when brake warning light illuminates	1 notch