

**SECTION PB**  
**PARKING BRAKE SYSTEM**

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# PRECAUTIONS

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## PRECAUTION

### PRECAUTIONS

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

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

#### **WARNING:**

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

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

#### **WARNING:**

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

# PREPARATION

< PREPARATION >

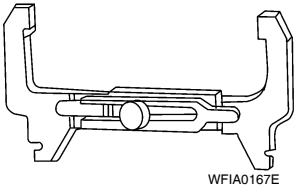
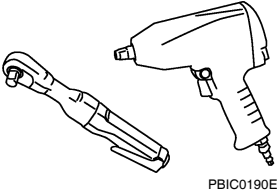
## PREPARATION

### PREPARATION

#### Commercial Service Tool

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

(Kent-Moore No.) Tool name		Description
(J-21177-A) Brake drum clearance gauge	 <p style="text-align: center;">WFIA0167E</p>	Measuring rear rotor drum to parking brake shoe clearance
Power tool	 <p style="text-align: center;">PBIC0190E</p>	Loosening bolts and nuts

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# PARKING BRAKE SYSTEM

< PERIODIC MAINTENANCE >

## PERIODIC MAINTENANCE

### PARKING BRAKE SYSTEM

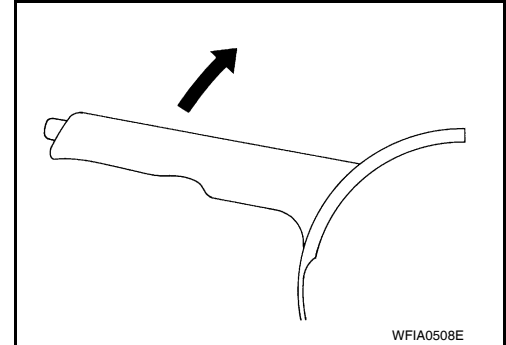
#### Inspection and Adjustment

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#### INSPECTION

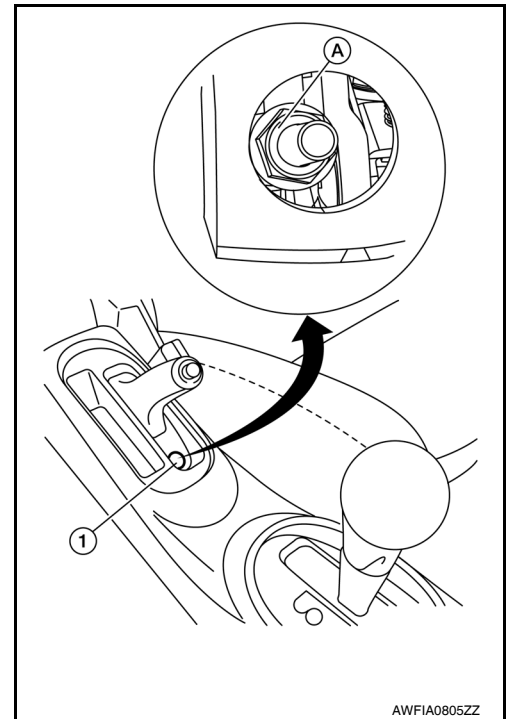
When parking brake lever is operated with a force of 196 N (20 kg-f, 44 lb-f), make sure parking brake lever stroke is within the specified number of notches. (Check it by listening and counting ratchet clicks.)

**Number of notches** : Refer to [PB-8, "Parking Brake Control"](#).



#### ADJUSTMENT

1. Pull parking brake lever until the access hole (1) is visible. Insert a socket wrench onto the adjusting nut (A).
2. Turn the adjusting nut with a socket wrench to loosen the front cable.



3. Depress the brake pedal with a force of 196 N (20 kg, 44 lb) about 10 times and adjust the brake shoe clearance.  
**CAUTION:**  
**Make sure to securely operate the brake pedal.**
4. Check a drag of rear drum brake. Refer to [BR-17, "BRAKE DRUM : Inspection and Adjustment"](#).
5. Adjust the cable with the following procedure.
  - a. Operate the parking brake lever with a force of 400 N (41 kg, 90 lb) for 25 minutes or longer.
  - b. Adjust the parking brake lever stroke by turning the adjusting nut with a socket wrench.  
**CAUTION:**  
**Do not reuse the adjusting nut if the nut is removed.**
  - c. Operate the parking brake lever with a force of 196 N (20 kg, 44lb). Check that the lever stroke is within the specified number of notches. (Check it by listening to the clicks of the ratchet.)

# PARKING BRAKE SYSTEM

< PERIODIC MAINTENANCE >

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**Number of notches** : Refer to [PB-8, "Parking Brake Control"](#).

- d. Rotate the brake drum with the parking brake lever released and verify that there is no drag present. Refer to [BR-17, "BRAKE DRUM : Inspection and Adjustment"](#).

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# PARKING BRAKE CONTROL

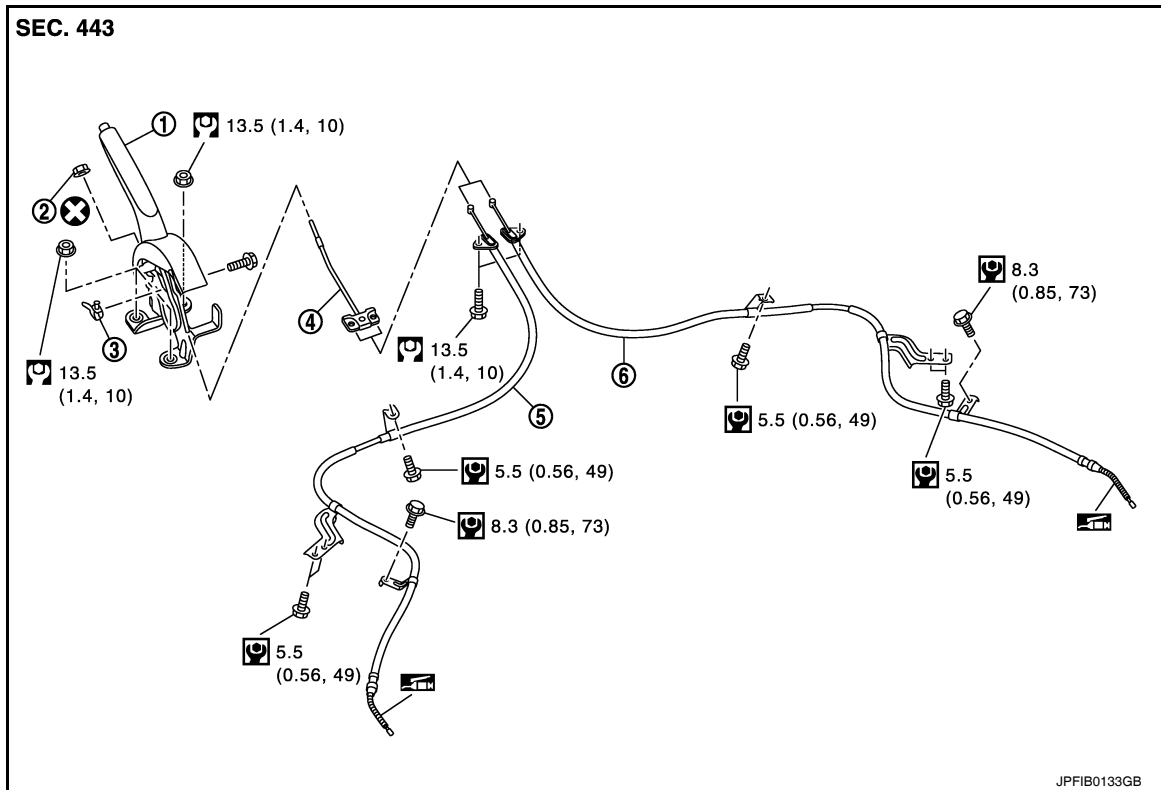
< REMOVAL AND INSTALLATION >

## REMOVAL AND INSTALLATION

### PARKING BRAKE CONTROL

Exploded View

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- |                                 |                    |                         |
|---------------------------------|--------------------|-------------------------|
| 1. Parking brake lever assembly | 2. Adjusting nut   | 3. Parking brake switch |
| 4. Front cable                  | 5. Rear cable (LH) | 6. Rear cable (RH)      |

### Removal and Installation

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#### REMOVAL

1. Remove rear wheel and tire assemblies using power tool.
2. Remove the center console assembly.
3. Disconnect the harness connector and remove the USB connector (if equipped). Refer to [AV-75, "Removal and Installation"](#) (MID AUDIO), [AV-136, "Removal and Installation"](#) (PREMIUM AUDIO).
4. Disconnect the parking brake switch harness connector.
5. Remove and discard the adjusting nut to loosen the front cable.  
**CAUTION:**  
**Do not reuse the adjusting nut if the nut is removed.**
6. Separate both rear cables from the front cable.
7. Remove the parking brake lever assembly and front cable.
8. Remove the front cable from parking brake lever assembly.
9. Remove the parking brake switch from parking brake lever assembly.
10. Remove both rear cables from the toggle lever.
11. Remove the center floor insulator to gain access to the rear cable bolts.
12. Remove the brake shoes and disconnect the rear cables from the toggle levers. Refer to [BR-41, "Removal and Installation"](#).
13. Disconnect and remove the rear cables from each backing plate.

# PARKING BRAKE CONTROL

< REMOVAL AND INSTALLATION >

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## INSTALLATION

Installation is in the reverse order of the removal.

### **CAUTION:**

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

- Perform adjustment after installation. 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

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Item	Standard
Number of notches [under force of 196 N (20 kg, 44 lb)]	11 – 12 notches
Number of notches when parking brake warning lamp turns ON	1 notch