DS20HB

167 - 226
(17 - 23, 123 - 166)

Canter braka lever

Shoe

Shoe fixing pin

Return spring

Spring seat

Anti-rattle spring

Retainer

Drum

42 - 52 (4.3 - 5.3, 31 - 38)

Plug

: N•m (kg-m, ft-lb)

: Brake grease

Adjuster

Direction of rotation at forwarded condition
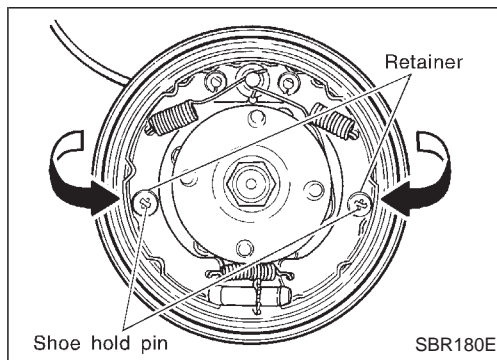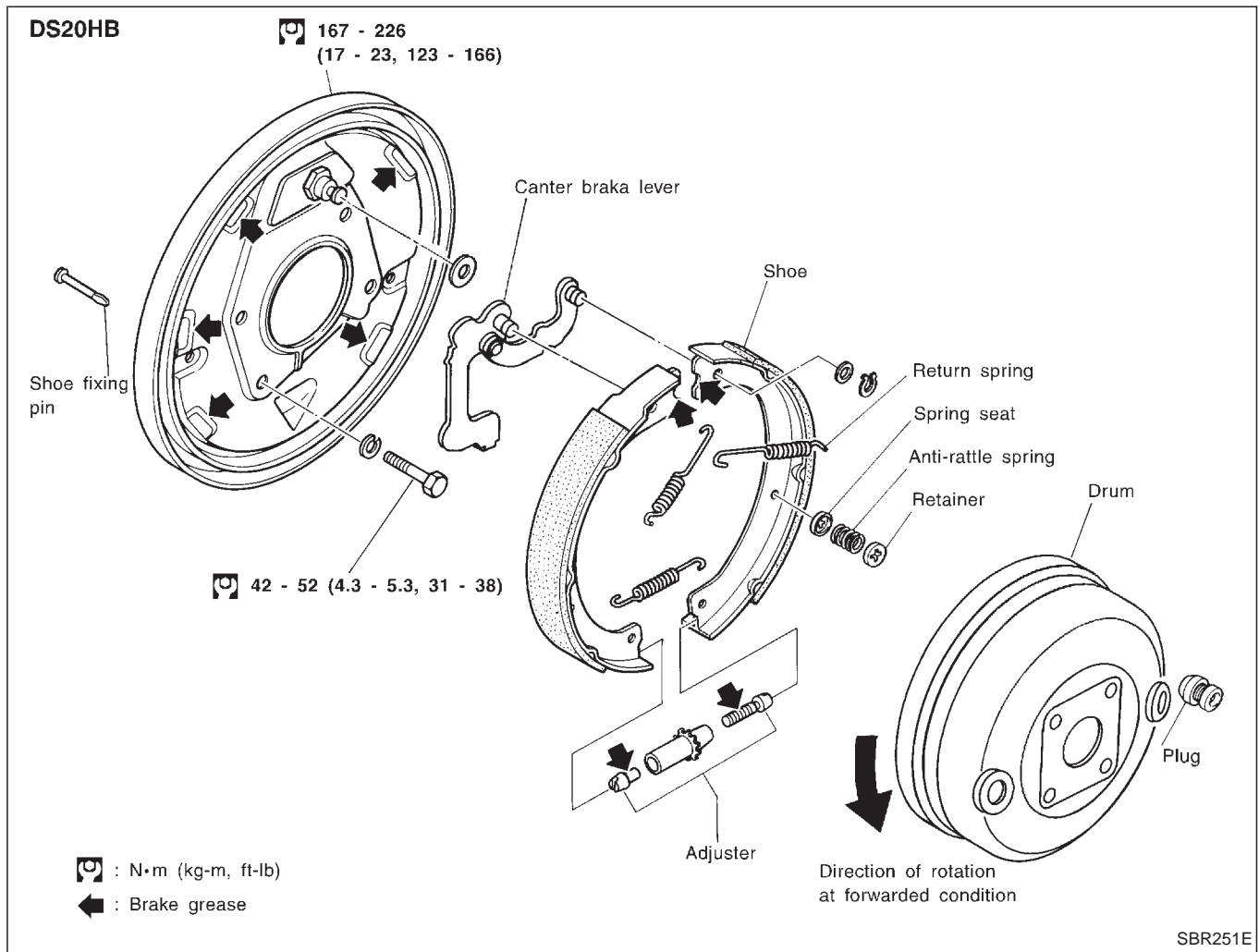
SBR251E

Retainer

Shoe hold pin

SBR180E

Removal and Installation

WARNING:
Clean brake lining with a vacuum dust collector to minimize the hazard of airborne particles or other materials.
CAUTION:
Make sure parking brake lever is released completely.
1. Release parking brake lever fully.
2. Remove rear propeller shaft and drum.
3. After removing shoe hold pin by rotating push retainer, remove leading shoe then remove trailing shoe.
   Remove spring by rotating shoes in direction arrow.
4. Remove adjuster and return spring.
5. Disconnect parking brake cable from center brake lever.
Be careful not to damage parking brake cable when separating it.
6. Remove retainer ring with a suitable tool. Then separate center brake lever and brake shoe.
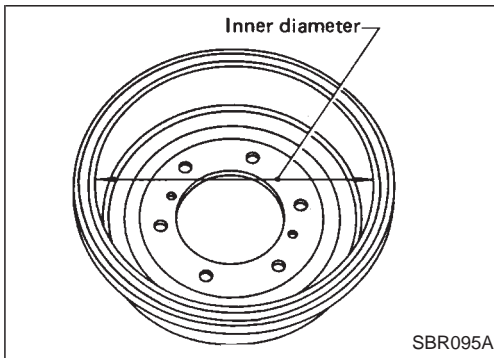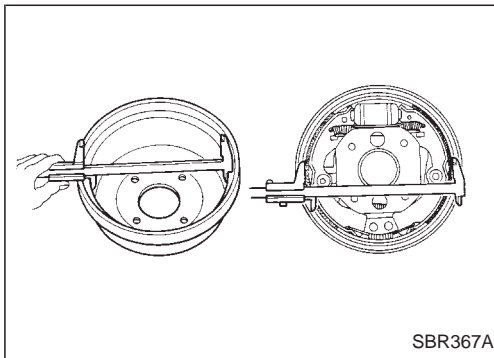
BR-38

Removal and Installation (Cont'd)

When installing, measure brake drum inside diameter and diameter of brake shoes. Check that the difference between diameters is the correct shoe clearance.

> **Shoe clearance:**
> **0.25 - 0.4 mm (0.0098 - 0.0157 in)**

If necessary, adjust by rotating adjuster.

SBR367A

Inspection — Drum

> **Standard inner diameter:**
> **203.2 mm (8 in)**
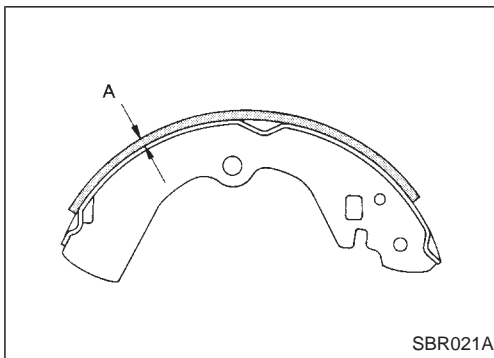> **Maximum inner diameter:**
> **204.5 mm (8.05 in)**
> **Out-of-roundness (Ellipticity):**
> **0.03 mm (0.0012 in) or less**
> **Radial runout (Total indicator reading):**
> **0.05 mm (0.0020 in) or less**

● Contact surface should be finefinished with No. 120 to 150 emery paper.
● Using a drum lathe, lathe brake drum if it shows scoring, partial wear or stepped wear.
● After brake drum has been completely reconditioned or replaced, check drum and shoes for proper contact pattern.

Inner diameter

SBR095A

Inspection — Lining

● Check lining thickness.
> **Lining wear limit:**
> **1.5 mm (0.059 in)**
> **Lining standard thickness:**
> **5.1 mm (0.201 in)**

Before installing new shoes, rotate nut until adjuster rod is at its shortest point.
After installation, adjust shoe-to-drum clearance. Refer to Removal and Installation.

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SBR021A