

20. Parking Brake

A: INSPECTION

1. REAR DRUM BRAKE

1) Remove the brake drum and check that there is no fluid leakage from the wheel cylinder.

If fluid leaks are found in the wheel cylinder, check the wheel cylinder and replace it.

2) Inspect the brake shoes for damage or deformation and check the brake linings for wear.

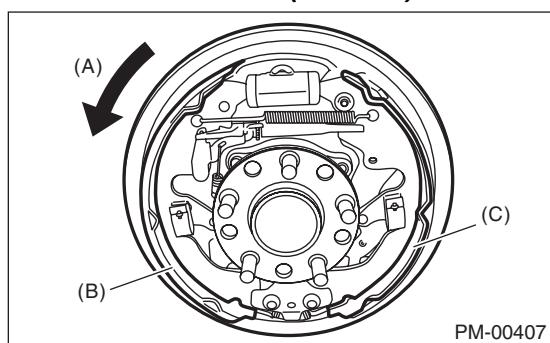
NOTE:

- Always replace both leading and trailing brake shoes for the left and right wheels at the same time.
- When replacing either the left or the right brake assembly, always replace the leading shoe and the trailing shoe of one side.

Thickness of brake lining (except for back metal):

Standard: 4.5 mm (0.177 in)

Service limit: 1.5 mm (0.059 in)



(A) Direction of drum rotation (Forward)

(B) Leading shoe

(C) Trailing shoe

3) Check the brake drum for wear, dents or other damage.

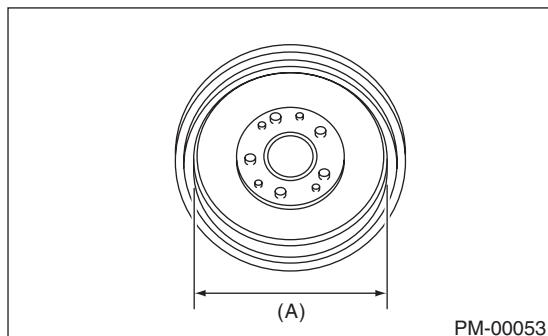
If the inside surface of the brake drum is streaked, correct the surface with emery cloth (#200 or more). If it is unevenly worn or tapered, or the outer surface of the brake drum is damaged, repair or replace it.

Brake drum inside diameter:

Standard: 254 mm (10.000 in)

Service limit: 256 mm (10.08 in)

If the deformation or wear of back plate, shoe, etc. is noticeable, replace problem parts.



(A) Inside diameter

2. PARKING BRAKE (REAR DISC BRAKE)

1) Measure the inner diameter of the brake disc rotor. If scoring or worn is found on the disk, replace the brake disc rotor.

Disc rotor inner diameter:

Standard

190 mm (7.48 in)

Service limit

191 mm (7.52 in)

2) Measure the lining thickness. If it exceeds the limit, replace the brake shoe.

Lining thickness:

Standard

2.8 mm (0.11 in)

Service limit

1.5 mm (0.059 in)

NOTE:

Replace the right and left brake shoe as a set.

B: ADJUSTMENT

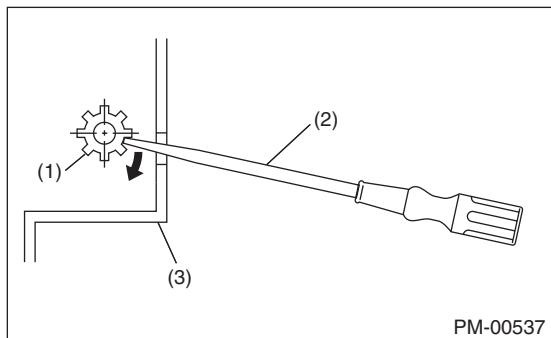
1. REAR DRUM BRAKE

The main brake automatically adjusts itself, so no adjustments are needed.

2. PARKING BRAKE (REAR DISC BRAKE)

For rear disc brake, adjust the parking brake after bleeding air.

- 1) Return the parking brake pedal fully.
- 2) Loosen the adjusting nut, and make the cable free.
- 3) Remove the adjusting hole cover from the disc rotor.
- 4) Using a flat tip screwdriver, turn the adjusting screw in the direction of the arrow (shoe extension direction) as shown in the figure until it is locked slightly (until the disc no longer rotates with both hands).



- (1) Adjusting screw
- (2) Flat tip screwdriver
- (3) Disc rotor

- 5) Loosen the adjusting screw by 5 notches to opposite direction of arrow.

CAUTION:

- Check there is no brake drag.
- If the amount that the adjusting screw is turned back is little, securely loosen it by 5 notches to avoid dragging.

- 6) Install the adjusting hole cover to the disc rotor.
- 7) Adjust the parking brake lever stroke. <Ref. to PB-8, LEVER STROKE, ADJUSTMENT, Parking Brake Assembly (Rear Disc Brake).>