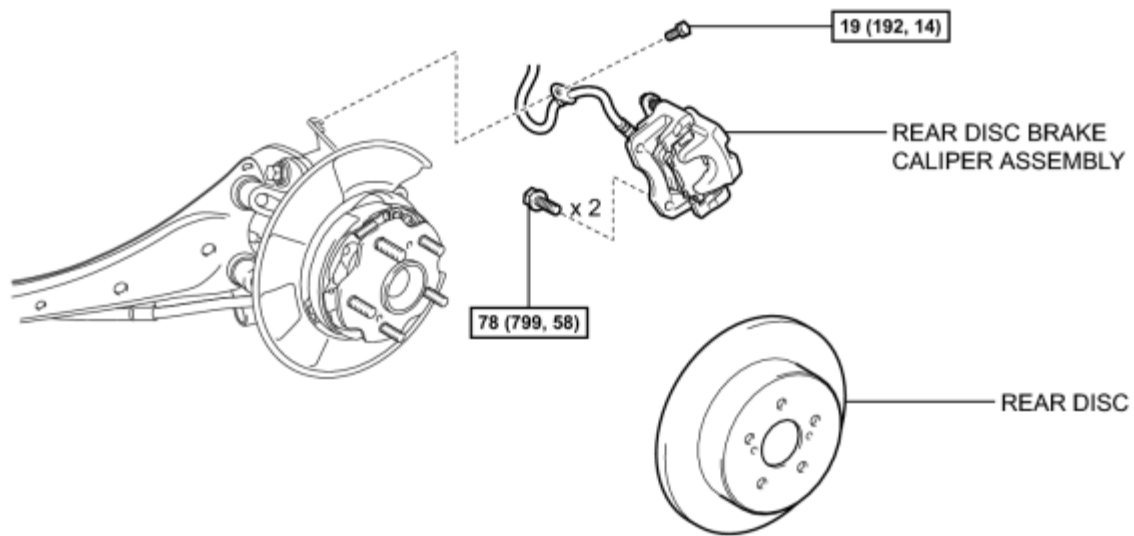


Last Modified: 5-25-2010	6.4 K	From: 200907
Model Year: 2010	Model: HS250H	Doc ID: RM000000QCL00GX
Title: PARKING BRAKE: PARKING BRAKE ASSEMBLY: COMPONENTS (2010 HS250H)		

COMPONENTS

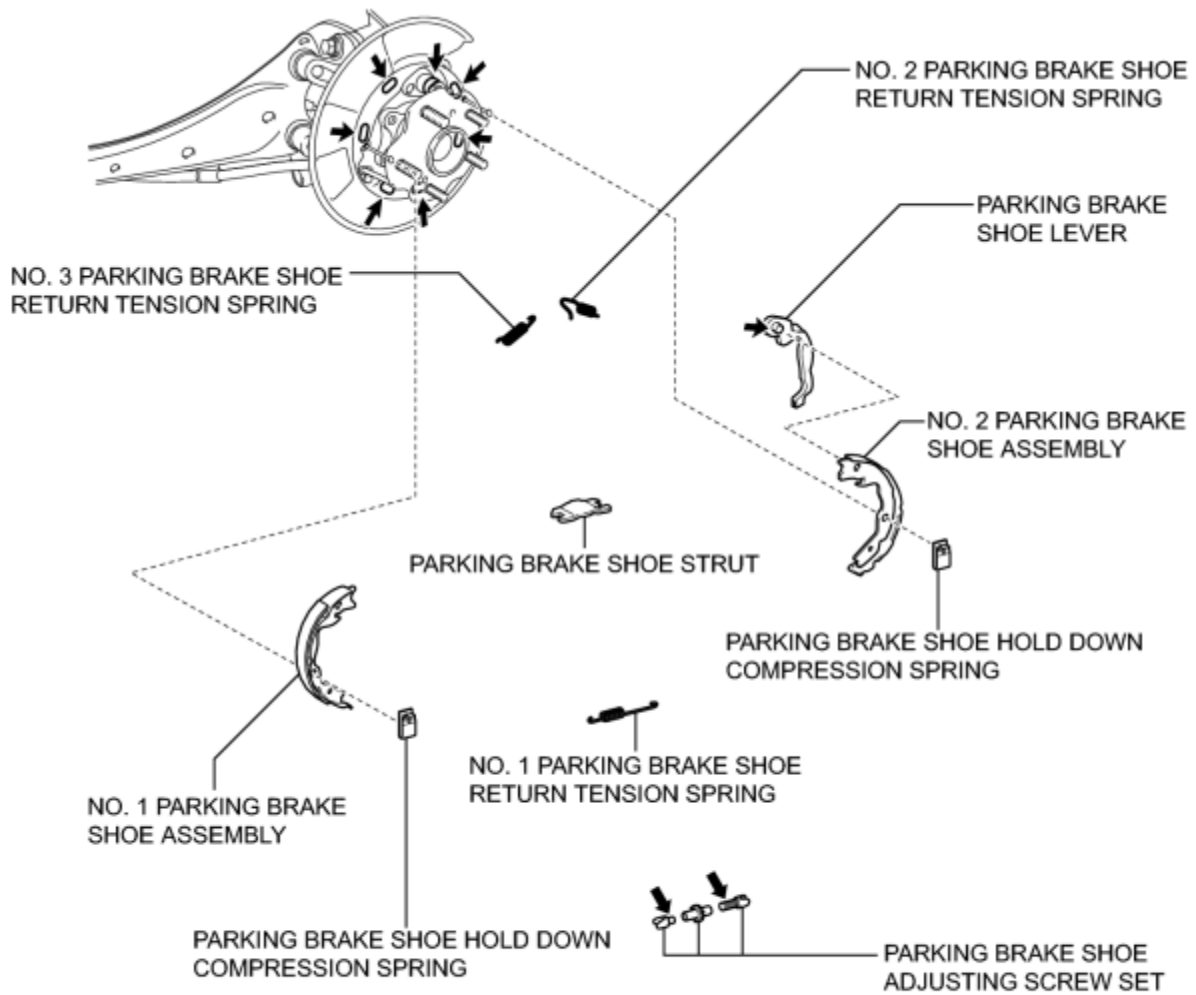
ILLUSTRATION



N*m (kgf*cm, ft.*lbf): Specified torque

c

ILLUSTRATION

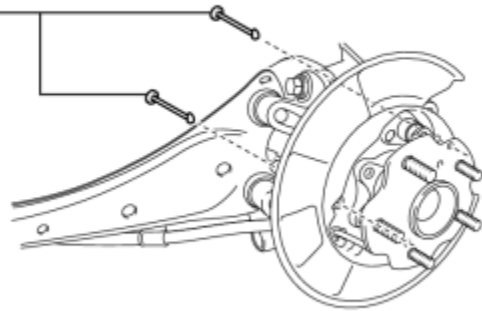


← High Temperature Grease

c

ILLUSTRATION

PARKING BRAKE SHOE HOLD
DOWN SPRING PIN



Last Modified: 5-25-2010	6.4 A	From: 200907
Model Year: 2010	Model: HS250H	Doc ID: RM000000BH800GX
Title: PARKING BRAKE: PARKING BRAKE ASSEMBLY: DISASSEMBLY (2010 HS250H)		

DISASSEMBLY

NOTICE:

When the brake pedal is first depressed after replacing the brake pads or pushing back the disc brake piston, DTC C1214 may be output. As there is no malfunction, clear the DTC.

HINT:

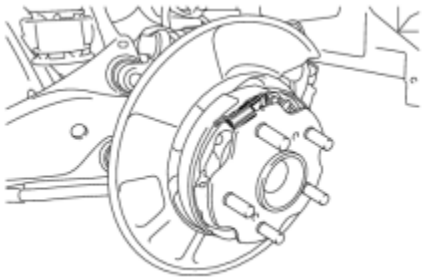
- Use the same procedure for the RH side and LH side.
- The following procedure is for the LH side.

1. REMOVE REAR WHEEL

2. SEPARATE REAR DISC BRAKE CALIPER ASSEMBLY [INFO](#)

3. REMOVE REAR DISC [INFO](#)

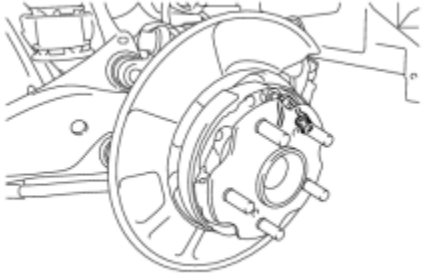
4. REMOVE NO. 3 PARKING BRAKE SHOE RETURN TENSION SPRING



(a) Remove the No. 3 parking brake shoe return tension spring.

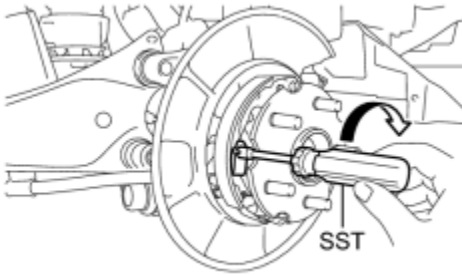
5. REMOVE NO. 2 PARKING BRAKE SHOE RETURN TENSION SPRING

(a) Remove the No. 2 parking brake shoe return tension spring.



c

6. REMOVE PARKING BRAKE SHOE HOLD DOWN COMPRESSION SPRING (for Front Side)



(a) Using SST, remove the parking brake shoe hold down compression spring as shown in the illustration.

SST: 09718-00011

c

7. REMOVE PARKING BRAKE SHOE STRUT



c

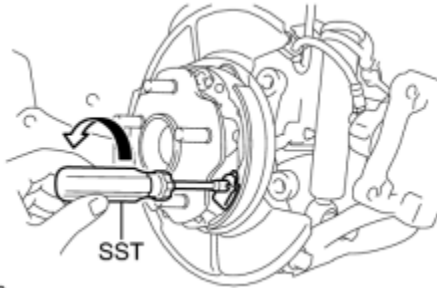
(a) Pull the No. 1 parking brake shoe assembly towards the front of the vehicle by hand as shown in the illustration.



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(b) Remove the parking brake shoe strut.

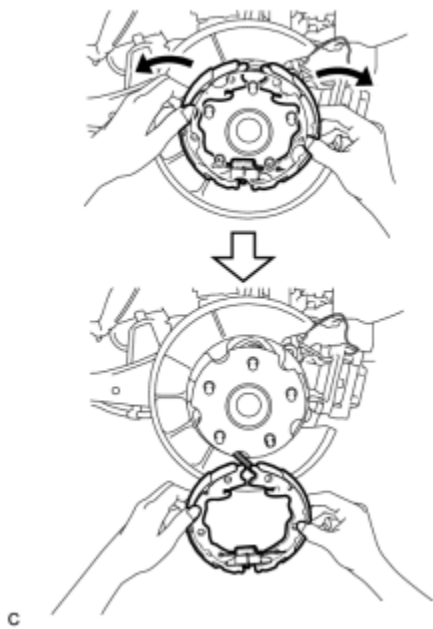
8. REMOVE PARKING BRAKE SHOE HOLD DOWN COMPRESSION SPRING (for Rear Side)



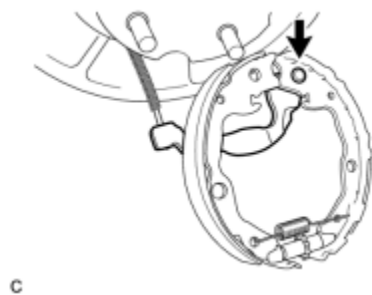
(a) Using SST, remove the parking brake shoe hold down compression spring as shown in the illustration.

SST: 09718-00011

9. SEPARATE PARKING BRAKE SHOE LEVER



(a) Expand the No. 1 and No. 2 parking brake shoe assemblies outward by hand and pull downward to separate them from the backing plate.



(b) Separate the parking brake shoe lever from the No. 2 parking brake shoe assembly

10. REMOVE PARKING BRAKE SHOE ADJUSTING SCREW SET



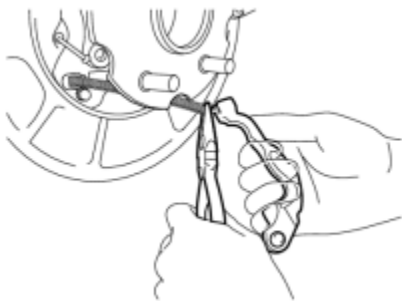
(a) Remove the parking brake shoe adjusting screw set.

11. REMOVE NO. 1 PARKING BRAKE SHOE RETURN TENSION SPRING



(a) Remove the No. 1 parking brake shoe return tension spring.

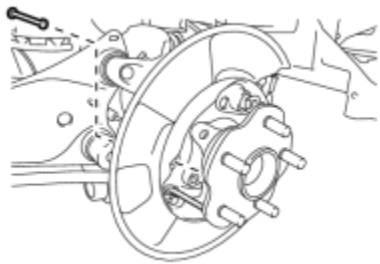
12. REMOVE PARKING BRAKE SHOE LEVER



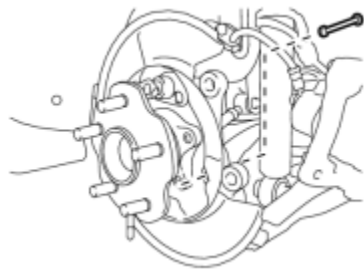
(a) Using needle-nose pliers, remove the parking brake shoe lever from the No. 3 parking brake cable assembly as shown in the illustration.

13. REMOVE PARKING BRAKE SHOE HOLD DOWN SPRING PIN

(a) Remove the parking brake shoe hold down spring pin (for front side).



c



c

(b) Remove the parking brake shoe hold down spring pin (for rear side).

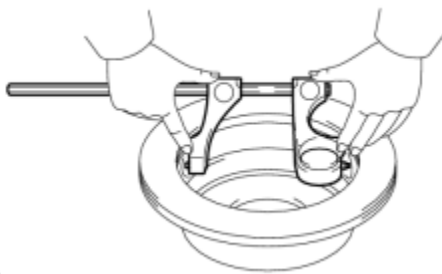


Last Modified: 5-25-2010	6.4 G	From: 200907
Model Year: 2010	Model: HS250H	Doc ID: RM000000V6G02EX
Title: PARKING BRAKE: PARKING BRAKE ASSEMBLY: INSPECTION (2010 HS250H)		

INSPECTION

1. INSPECT BRAKE DISC INSIDE DIAMETER

(a) Using a brake drum gauge or an equivalent tool, measure the inside diameter of the disc.



P

Standard inside diameter:

173 mm (6.81 in.)

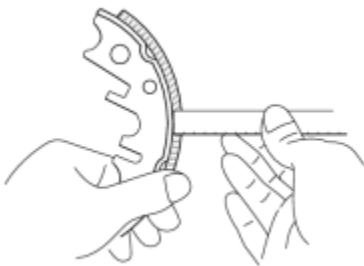
Maximum inside diameter:

174 mm (6.85 in.)

If the inside diameter is more than the maximum, replace the rear disc.

2. INSPECT PARKING BRAKE SHOE LINING THICKNESS

(a) Using a ruler, measure the thickness of the parking brake shoe lining.



c

Standard thickness:

3.5 mm (0.138 in.)

Minimum thickness:

1.0 mm (0.0394 in.)

If the lining thickness is less than the minimum, or if there is severe or uneven wear, replace the parking brake shoe assembly.

NOTICE:

Always replace both right and left parking brake shoes together.

3. INSPECT BRAKE DISC AND PARKING BRAKE SHOE LINING FOR PROPER CONTACT

(a) Apply chalk to the inside surface of the disc, then grind down the brake shoe lining to fit the disc.

If the contact between the disc and the brake shoe lining is incorrect, repair it using a grinder or replace the parking brake shoe assembly.

NOTICE:

- Always replace both right and left parking brake shoes together.
- Wipe off the chalk after inspection.



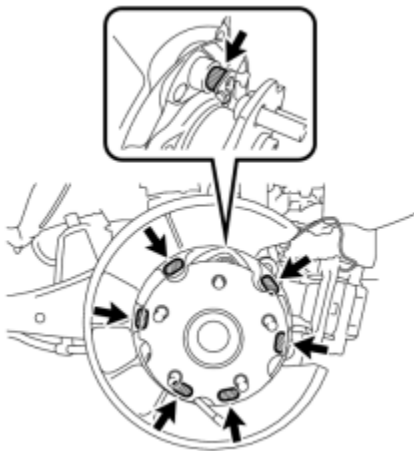
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Last Modified: 5-25-2010	6.4 A	From: 200907
Model Year: 2010	Model: HS250H	Doc ID: RM000000BHA00GX
Title: PARKING BRAKE: PARKING BRAKE ASSEMBLY: REASSEMBLY (2010 HS250H)		

REASSEMBLY

1. APPLY HIGH TEMPERATURE GREASE



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(a) Apply high temperature grease to the areas of the backing plate which make contact with the shoe as shown in the illustration.

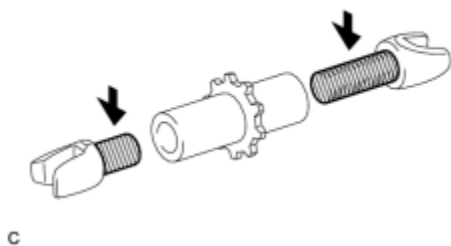
2. INSTALL PARKING BRAKE SHOE HOLD DOWN SPRING PIN

(a) Install the 2 parking brake shoe hold down spring pins.

3. INSTALL NO. 1 PARKING BRAKE SHOE RETURN TENSION SPRING

(a) Install the No. 1 parking brake shoe return tension spring to the No. 1 parking brake shoe assembly and No. 2 parking brake shoe assembly.

4. INSTALL PARKING BRAKE SHOE ADJUSTING SCREW SET



(a) Apply high temperature grease to the parking brake shoe adjusting screw set as shown in the illustration.

(b) Install the parking brake shoe adjusting screw set to the No. 1 parking brake shoe assembly and No. 2 parking brake shoe assembly.

5. INSTALL PARKING BRAKE SHOE LEVER

(a) Using needle-nose pliers, install the parking brake shoe lever to the No. 3 parking brake cable assembly.

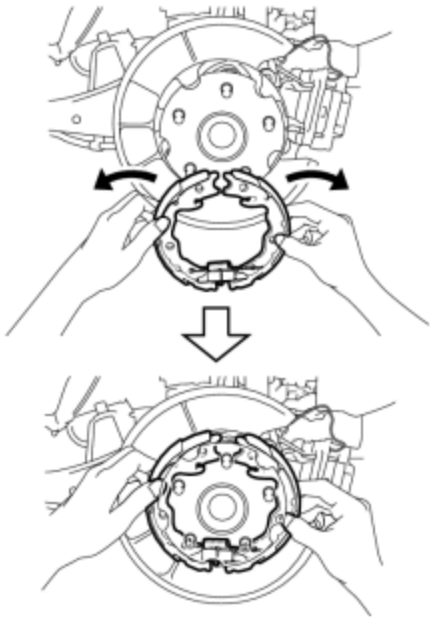
(b) Apply high temperature grease to the areas of the parking brake shoe lever which make contact with the No. 2 parking brake shoe assembly.

(c) Install the parking brake shoe lever to the No. 2 parking brake shoe assembly.

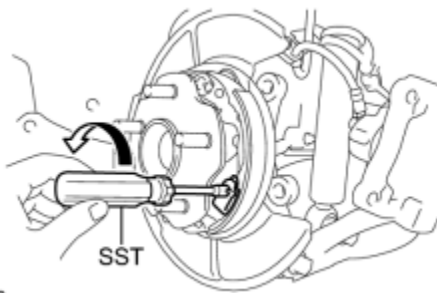
(d) Expand the No. 1 and No. 2 parking brake shoe assemblies outward by hand and fit them to the backing plate.

NOTICE:

Make sure that the parking brake shoe lever does not separate from the No. 2 parking brake shoe assembly.



6. INSTALL PARKING BRAKE SHOE HOLD DOWN COMPRESSION SPRING (for Rear Side)

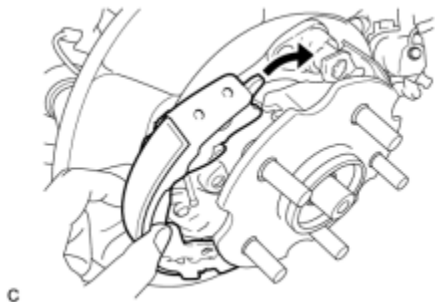


(a) Using SST, install the parking brake shoe hold down compression spring as shown in the illustration.

SST: 09718-00011

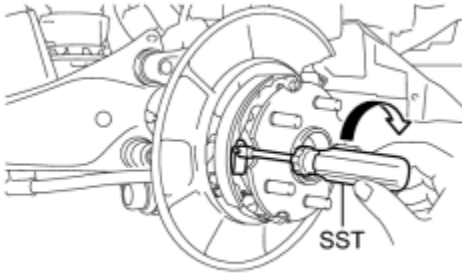
7. INSTALL PARKING BRAKE SHOE STRUT

(a) Install the parking brake shoe strut.



(b) Install the No. 1 parking brake shoe assembly.

8. INSTALL PARKING BRAKE SHOE HOLD DOWN COMPRESSION SPRING (for Front Side)



(a) Using SST, install the parking brake shoe hold down compression spring as shown in the illustration.

SST: 09718-00011

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9. INSTALL NO. 2 PARKING BRAKE SHOE RETURN TENSION SPRING

(a) Install the No. 2 parking brake shoe return tension spring.

10. INSTALL NO. 3 PARKING BRAKE SHOE RETURN TENSION SPRING

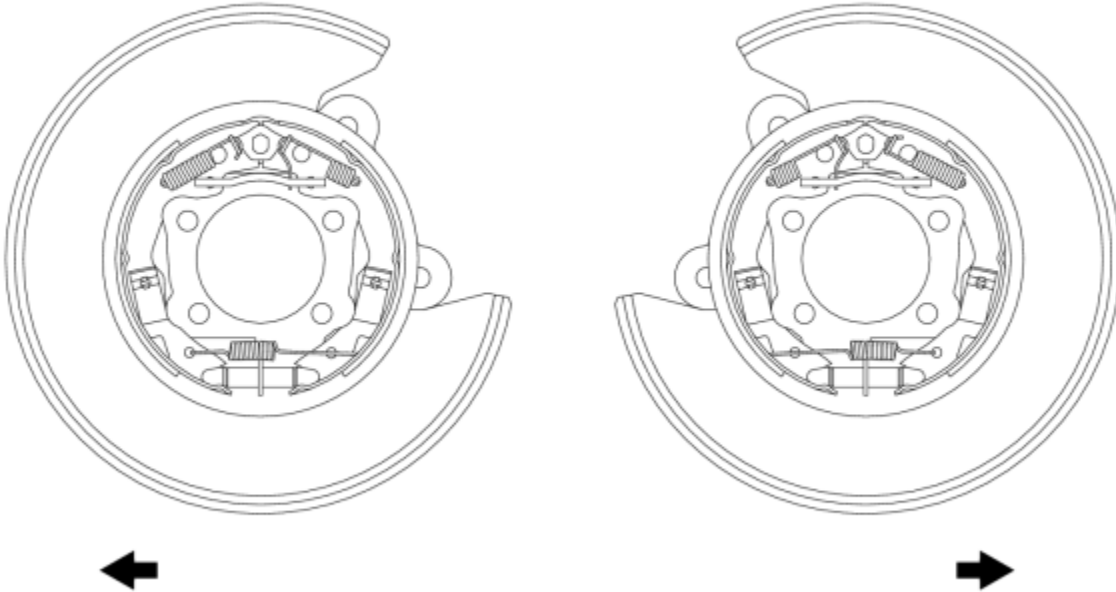
(a) Install the No. 3 parking brake shoe return tension spring.

11. CHECK PARKING BRAKE INSTALLATION

(a) Check that each part is installed properly.

LH Side:

RH Side:



c

Text in Illustration

	Front of the Vehicle	-	-
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NOTICE:

There should be no oil or grease on the friction surfaces of the shoe lining and disc.

12. INSTALL REAR DISC [INFO](#)

13. INSTALL REAR DISC BRAKE CALIPER ASSEMBLY [INFO](#)

14. ADJUST PARKING BRAKE SHOE CLEARANCE AND PARKING BRAKE PEDAL TRAVEL [INFO](#)

15. INSTALL REAR WHEEL

Torque: **103 N·m (1050 kgf·cm, 76ft·lbf)**

16. BED IN PARKING BRAKE SHOES TO DISCS

- (a) Drive the vehicle at about 50 km/h (31 mph) on a safe, level and dry road.
- (b) Depress the parking brake pedal with 150 N (15 kgf, 33.7 lbf) of force.
- (c) Drive the vehicle for about 400 m (0.25 mile) in this condition.
- (d) Repeat this procedure 3 times.

NOTICE:

Set a 5-minute interval between each procedure to prevent the brake assembly from overheating.

