



2009 > Engine > G 1.6 DOHC > Brake System > Parking Brake System > Parking Brake Assembly > Repair procedures

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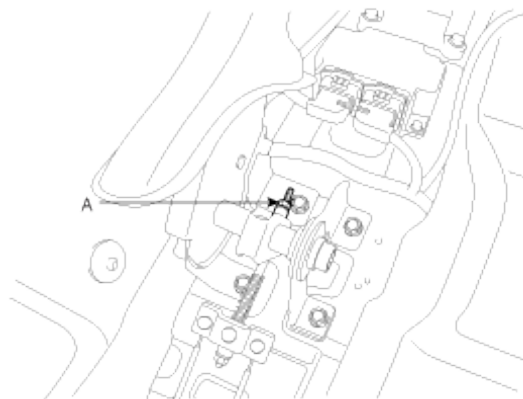
## REMOVAL

### Parking Brake Lever

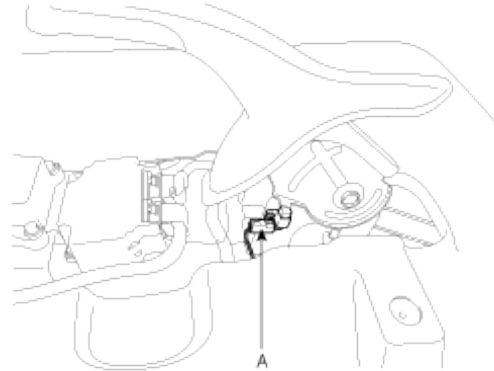
#### NOTICE

The parking brake cables must not be bent or distorted. This will lead to stiff operation and premature failure.

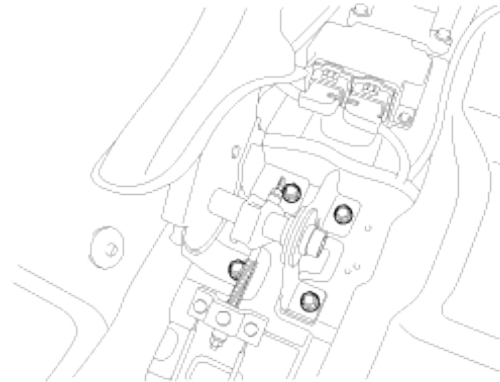
1. Remove the floor console. (Refer to Body group. -"Floor console")
2. Loosen the adjusting nut (A) and the parking brake cables.



3. Disconnect the connector (A) of parking brake switch.

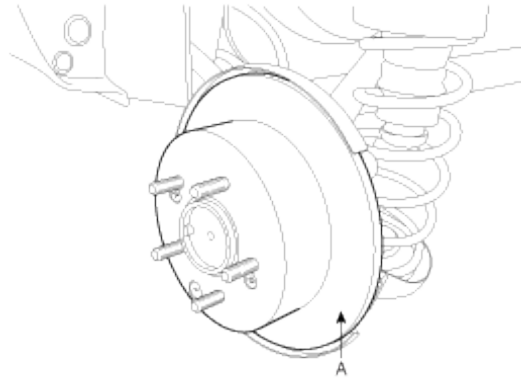


4. Remove the parking brake lever assembly with loosening the bolts.

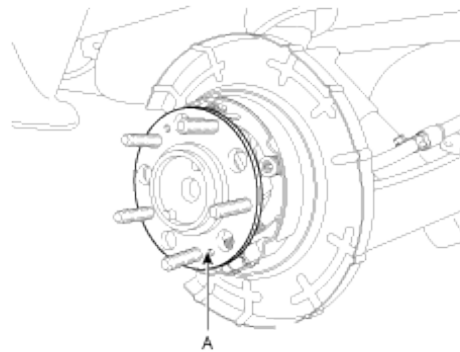


### **Parking Brake Shoe (Disc Brake Type)**

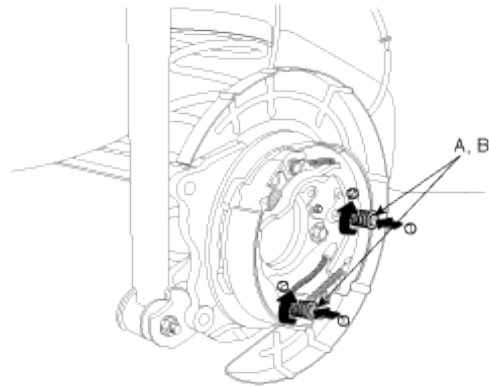
1. Raise the vehicle, and make sure it is securely supported.
2. Remove the rear tire and wheel, then remove the brake caliper. (Refer to "Rear disc brake removal")
3. Remove the brake Disc (A).



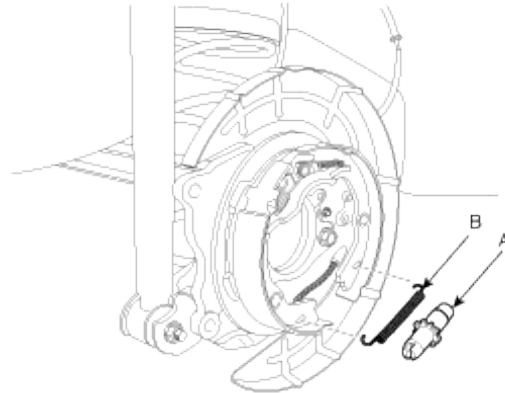
4. Remove the rear hub unit bearing (A).



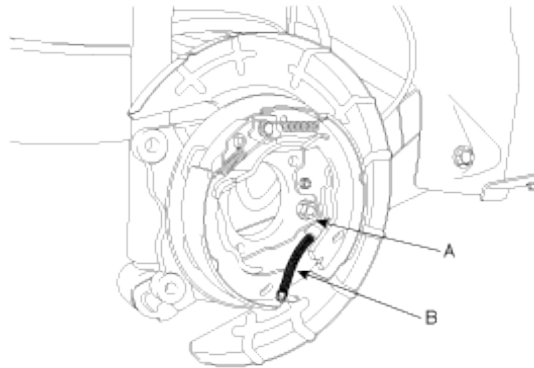
5. Remove the shoe hold down pin (A) and the spring (B) by pushing the retainer spring and turning the pin.



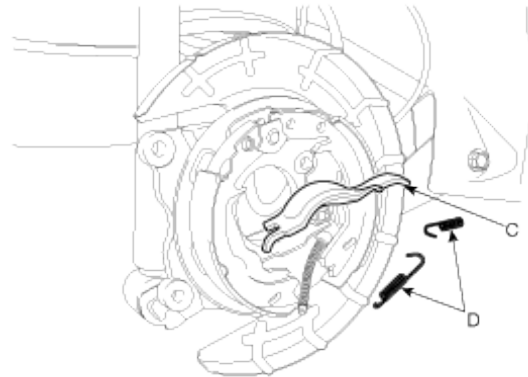
6. Remove the adjuster assembly (A) and the return spring (B).



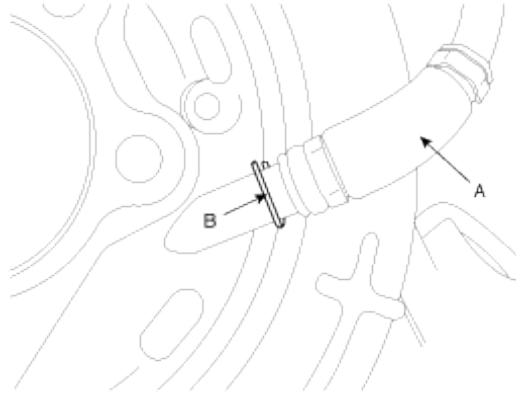
7. Remove the parking brake cable (B) from the brake shoe (A).



8. Remove the strut (C) and the strut spring (D).

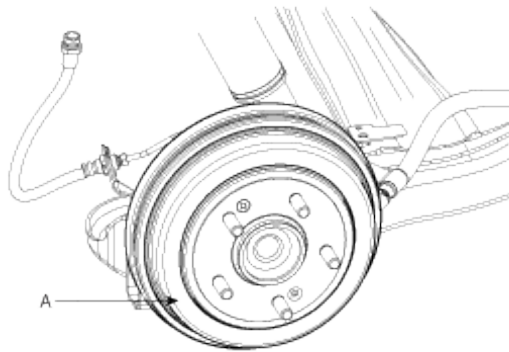


9. Remove the brake shoe.
10. Remove the parking brake cable retaining (B), from the parking brake cable (A).

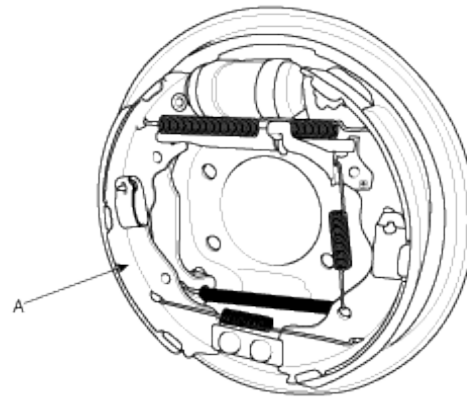


### **Parking Brake Shoe (Drum Brake Type)**

1. Raise the vehicle, and make sure it is securely supported.
2. Remove the rear tire and wheel, then remove the brake drum (A).

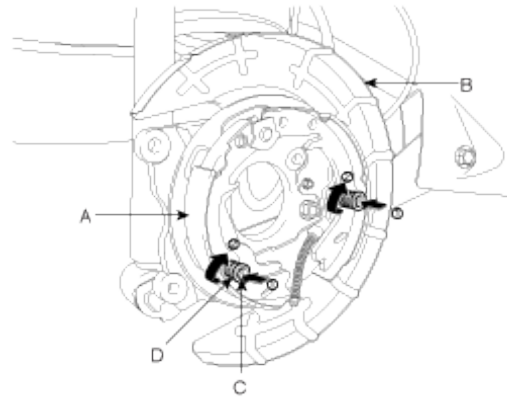


3. Remove the brake shoe (A). (Refer to "Rear drum brake removal")

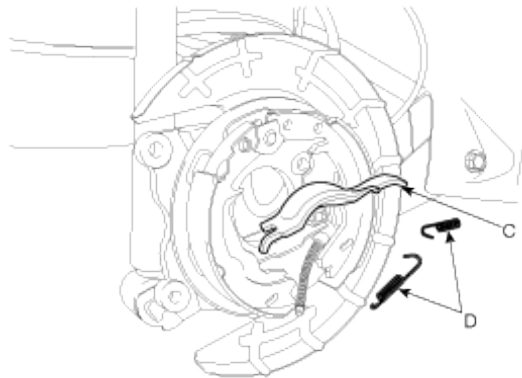


## INSTALLATION PARKING BRAKE SHOE (DISC BRAKE TYPE)

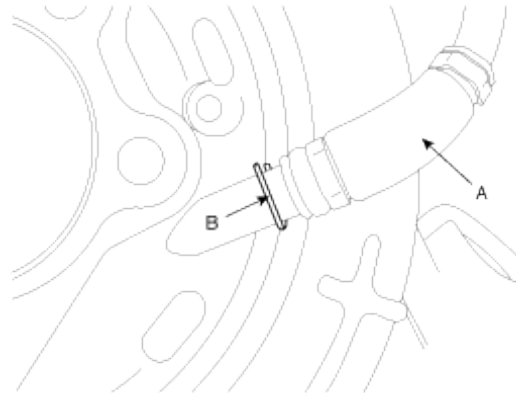
1. Install the brake shoe(A) to the back plate(B).



2. Install the shoe hold down pin(C) and the spring(D) by pushing the retainer spring (D) and turning the pins.
3. After installing the strut (A) and upper return spring (B), install the adjuster assembly (C) and the lower return spring (D).



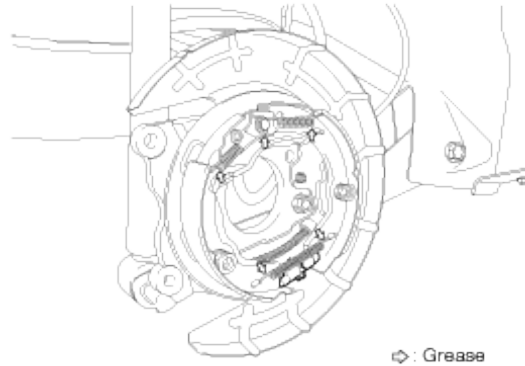
4. Install the parking brake cable (A), then install the retaining (B).



5. Apply a coating of the specified grease to each sliding parts of parking brake as shown.

**Specified grease :**

Multi purpose grease SAE J310, NLGI No.2

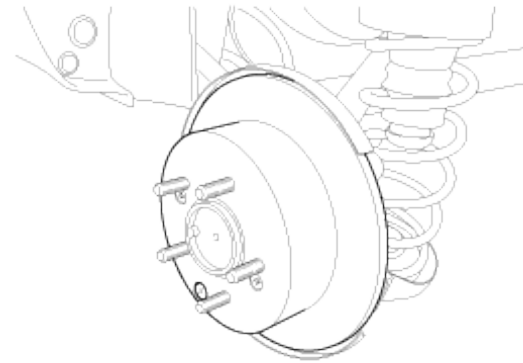


6.

Install the rear brake disc, then adjust the rear brake shoe clearance.

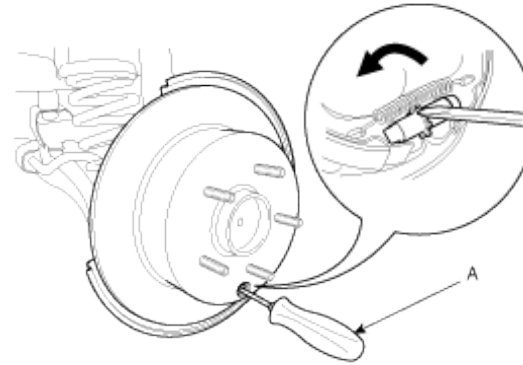
(1)

Remove the plug from the disc.



(2)

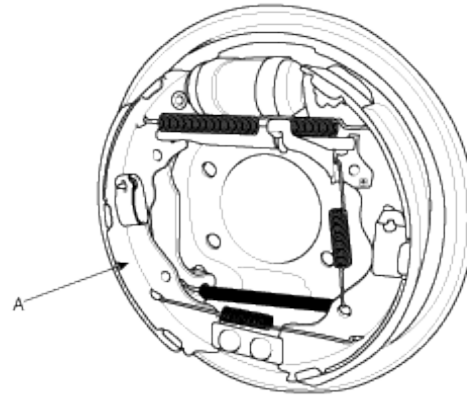
Rotate the toothed wheel of adjuster by a screw driver until the disc is not moving, and th



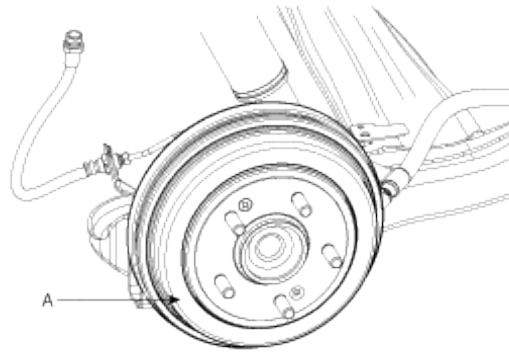
7. Install the brake caliper. (Refer to "Rear brake installation")
8. Install the tire and wheel.
9. Adjust the parking brake lever.

### **Parking Brake Shoe (Drum Brake Type)**

1. Install the brake shoe (A). (Refer to "Rear drum brake installation")



2. Install the brake drum (A).



3.

Depress the brake pedal several times to set the self-adjusting brake.

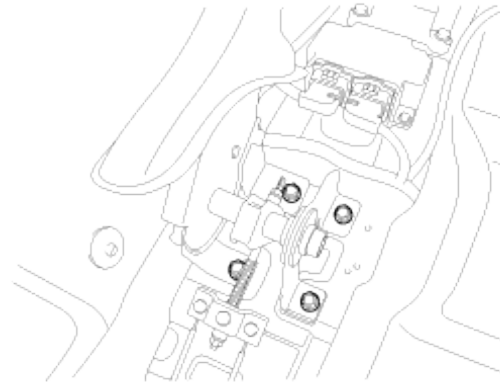
4.

Adjust the parking brake lever.

### **Parking Brake Lever**

1.

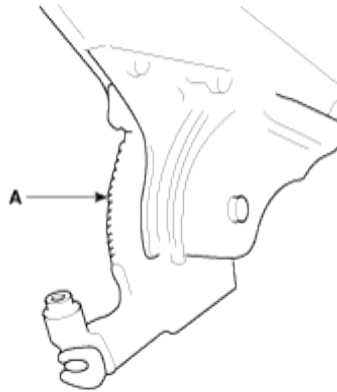
Install the parking brake lever assembly, then tighten the mounting bolts.



2. Apply a coating of the specified grease to each sliding parts (A) of the ratchet plate or the ratchet pawl.

**Specified grease :**

Multi purpose grease SAE J310, NLGI No.2



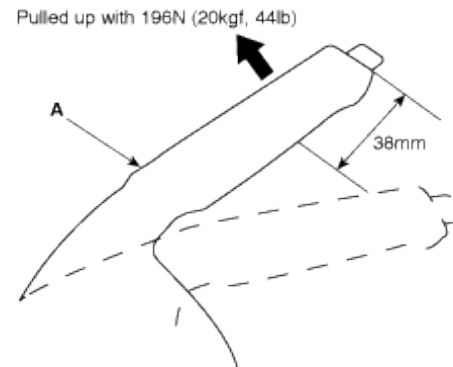
3. Install the parking brake cable adjuster, then adjust the parking brake lever stroke by turning adjusting nut (A).

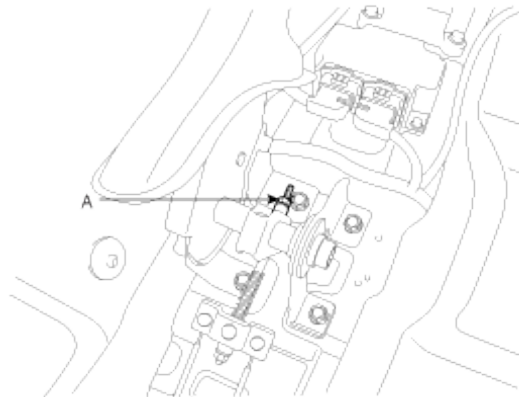
**Parking brake lever stroke :**

5 ~ 7 clicks (Pull the lever with 20kg)

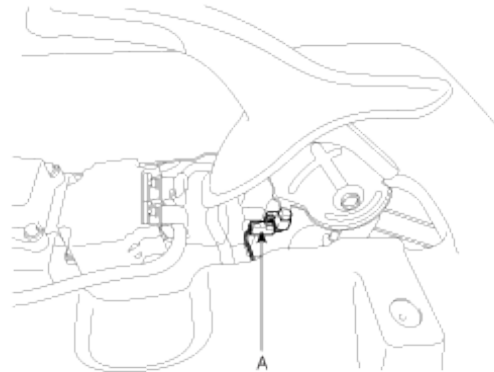
**NOTICE**

After repairing the parking brake shoe, adjust the brake shoe clearance, and then adjust the parking brake lever stroke. (Refer to "Parking brake shoe clearance")





4. Release the parking brake lever fully, and check that parking brakes do not drag when the rear wheels are turned. Readjust if necessary.
5. Make sure that the parking brakes are fully applied when the parking brake lever is pulled up fully.
6. Reconnect the connector (A) of parking brake switch.



#### NOTICE

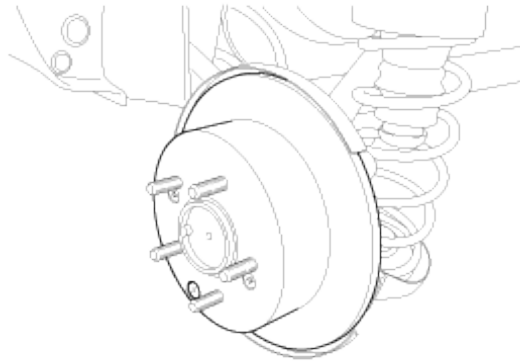
Inspect the continuity of parking brake switch.  
 When the brake lever is pulled : continuity  
 When the brake lever is released : no continuity  
 Install the floor console. (Refer to Body group - "Floor console")

#### 7. ADJUSTMENT

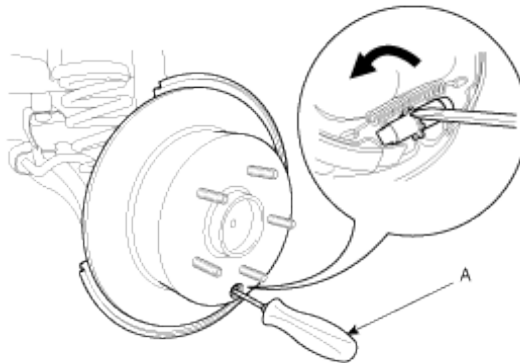
##### Disc Brake Type

1. Raise the vehicle, and make sure it is securely supported.

2. Remove the rear tire and wheel.
3. Remove the plug from the disc.



4. Rotate the toothed wheel of adjuster by a screw driver until the disc is not moving, and then return it by 3~5 notches in the opposite direction.



## Parking Brake Shoe Clearance Adjustment

### Drum Brake Type

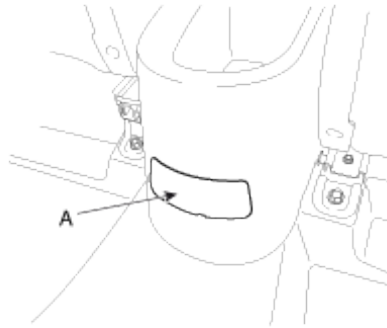
1. Depress the brake pedal several times to set the self-adjusting brake.

#### **NOTICE**

For Drum Brake type, shoe clearance is automatically adjusted by the adjuster and adjusting lever.

## Parking Brake Lever Stroke Adjustment

1. Raise the vehicle, and make sure it is securely supported.
2. Remove the floor console rear cover(A).



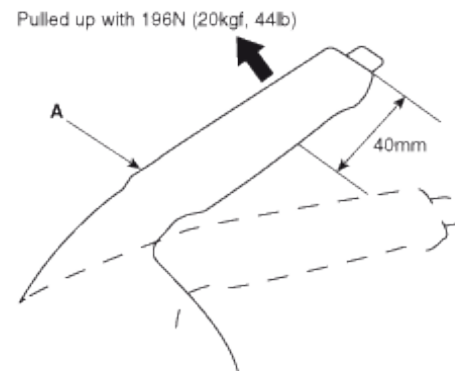
3. Adjust the parking brake lever stroke by turning adjusting nut (A).

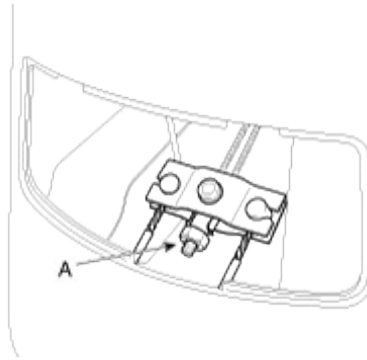
**Parking brake lever stroke :**

5~7 clics (Pull the lever with 20kg)

**NOTICE**

After repairing the parking brake shoe, adjust the brake shoe clearance, and then adjust the parking brake lever stroke. (Refer to "Parking brake shoe clearance")





4. Release the parking brake lever fully, and check that parking brakes do not drag when the rear wheels are turned. Readjust if necessary.
5. Make sure that the parking brakes are fully applied when the parking brake lever is pulled up fully.
6. Install the floor console rear cover(A).