



## Removal

### [Standard]

1. Remove wheel nuts, front wheel and tire (A) from front hub.

**Tightening torque:**

107.9 - 127.5 N·m (11.0 - 13.0 kgf·m, 79.6 - 94.0 lb·ft)



**NOTICE**

Be careful not to damage the hub bolts when removing the front wheel and tire.

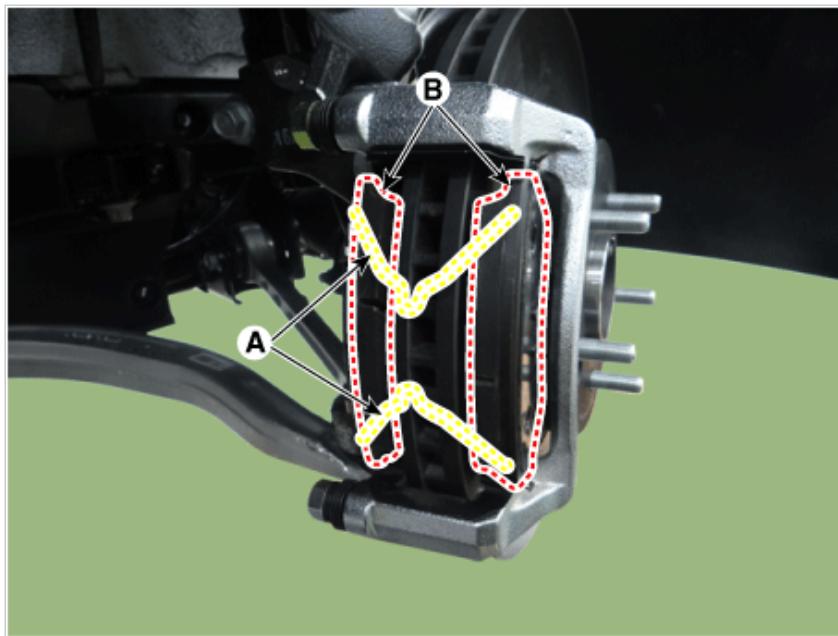
2. Loosen the brake caliper guide bolts and then remove the brake caliper.

**Tightening torque:**

21.6 - 31.4 N·m (2.2 - 3.2 kgf·m, 15.9 - 23.1 lb·ft)



3. Remove the return spring (A), brake pad (B).



4. Loosen the brake member assembly bolts and then remove the brake member assembly.

**Tightening torque:**

78.5 - 98.1 N·m (8.0 - 10.0 kgf·m, 57.9 - 72.3 lb·ft)



5. Loosen the brake disc screw and then remove the brake disc.

**Tightening torque :**

4.9 - 5.9 N·m (0.5 - 0.6 kgf·m, 3.6 - 4.3 lb·ft)



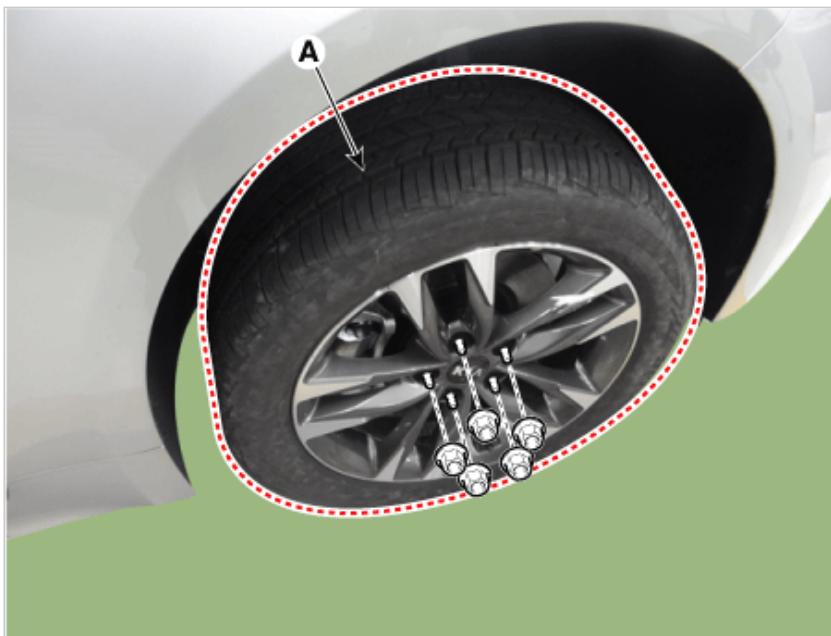
6. Install in the reverse order of removal.

### [Brembo]

1. Remove wheel nuts, front wheel and tire (A) from front hub.

**Tightening torque:**

107.9 - 127.5 N·m (11.0 - 13.0 kgf·m, 79.6 - 94.0 lb·ft)



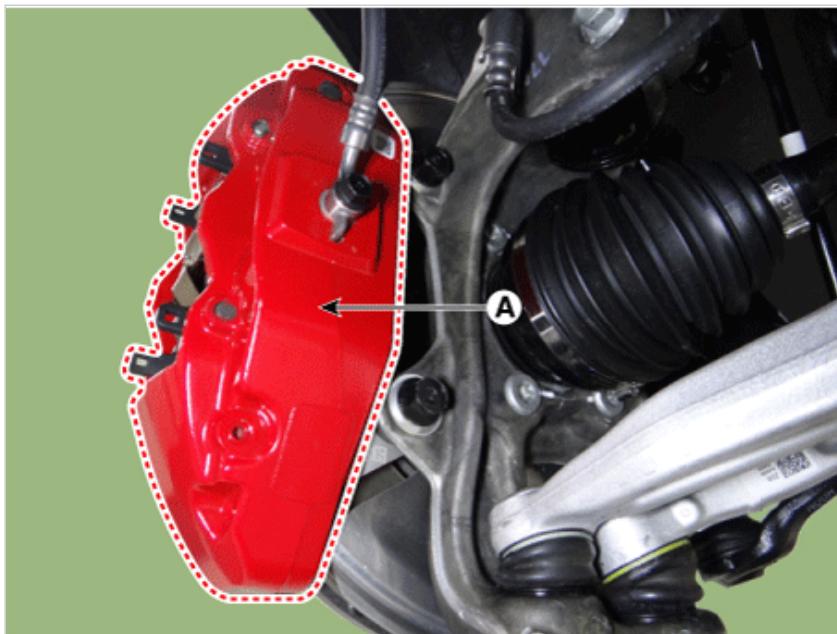
#### **NOTICE**

Be careful not to damage the hub bolts when removing the front wheel and tire.

2. Remove the brake caliper (A).

**Tightening torque :**

98.1 - 117.6 N·m (10.0 - 12.0 kgf·m, 72.3 - 86.8 lb·ft)



3. Loosen the brake disc screw and then remove the brake disc.

**Tightening torque :**

4.9 - 5.9 N·m (0.5 - 0.6 kgf·m, 3.6 - 4.3 lb·ft)



4. Install in the reverse order of removal.

## Replacement

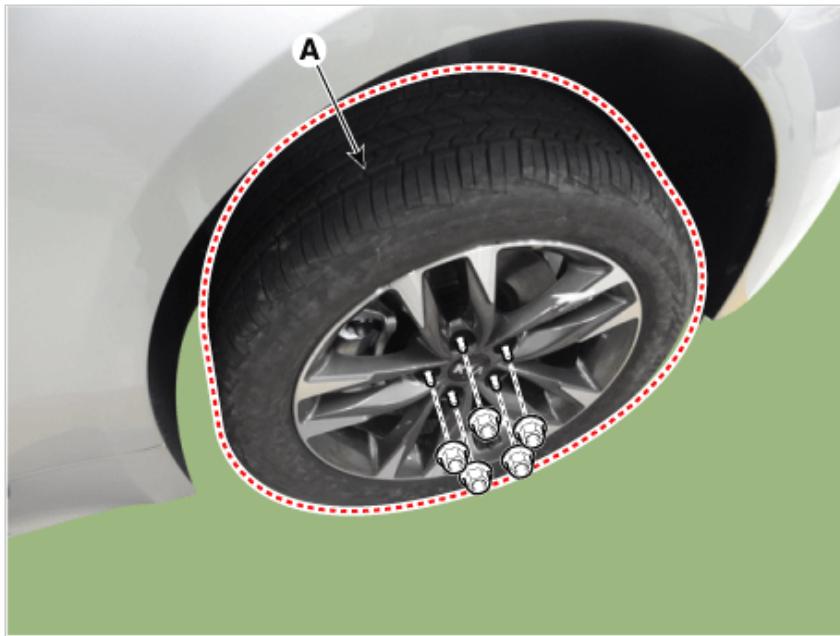
[Standard]

### Brake pad

1. Remove wheel nuts, front wheel and tire (A) from front hub.

**Tightening torque:**

107.9 - 127.5 N·m (11.0 - 13.0 kgf·m, 79.6 - 94.0 lb·ft)

**NOTICE**

Be careful not to damage the hub bolts when removing the front wheel and tire.

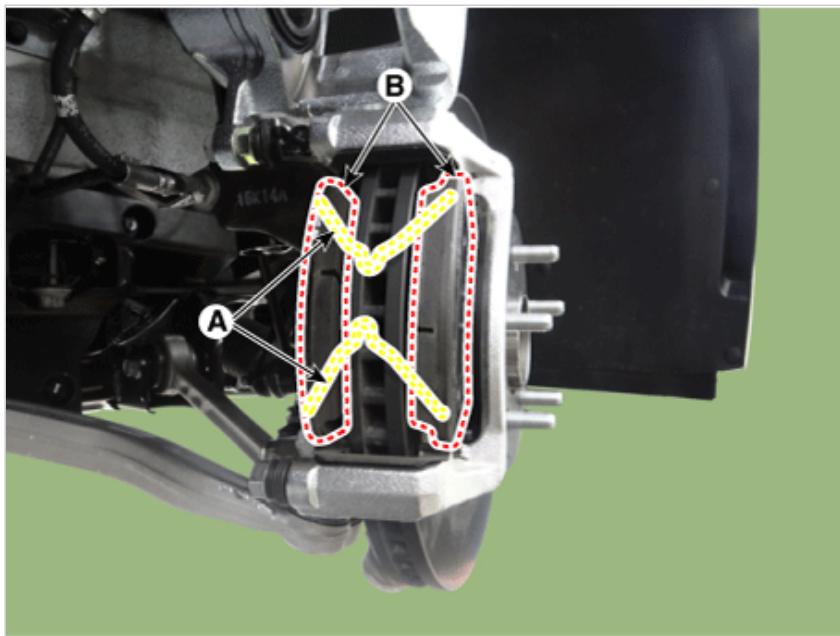
2. Loosen the guide rod bolt and then pivot the caliper body up out of the way.

**Tightening torque:**

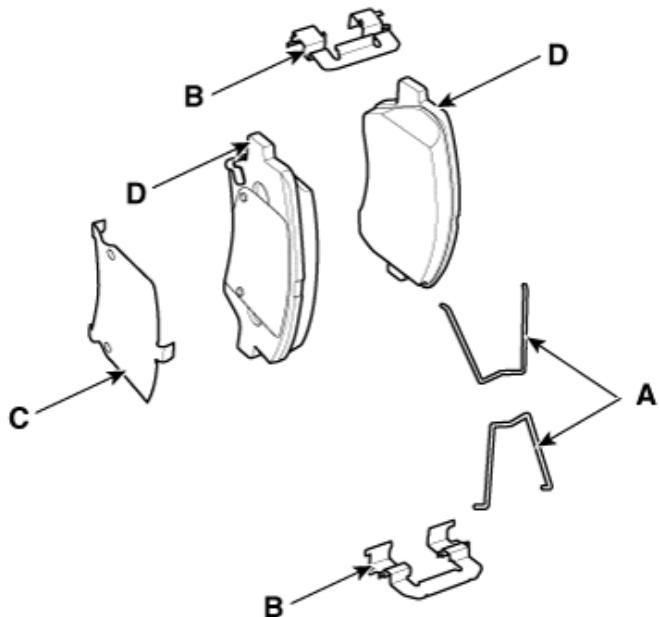
21.6 - 31.4 N·m (2.2 - 3.2 kgf·m, 15.9 - 23.1 lb·ft)



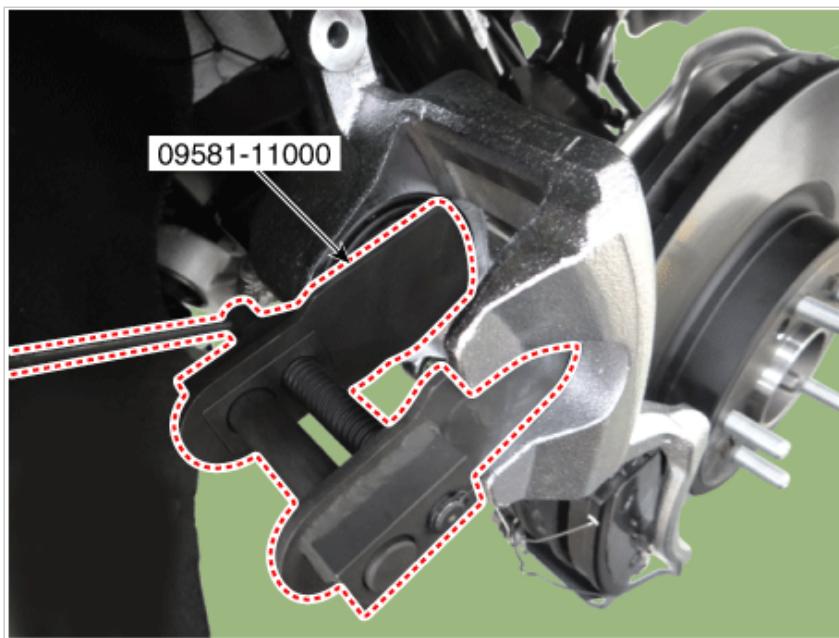
3. Remove the return spring (A), brake pad (B).

**NOTICE**

Place the return spring (A), pad retainer (B), inner brake shim (C), and brake pad (D) all at the same time when replacing the brake pad.



4. Install in the reverse order of removal.
5. Use the SST (09581-11000) when installing the brake caliper assembly.



6. After installation, bleed the brake system.  
*(Refer to Brake system - "Brake Bleeding Procedures")*

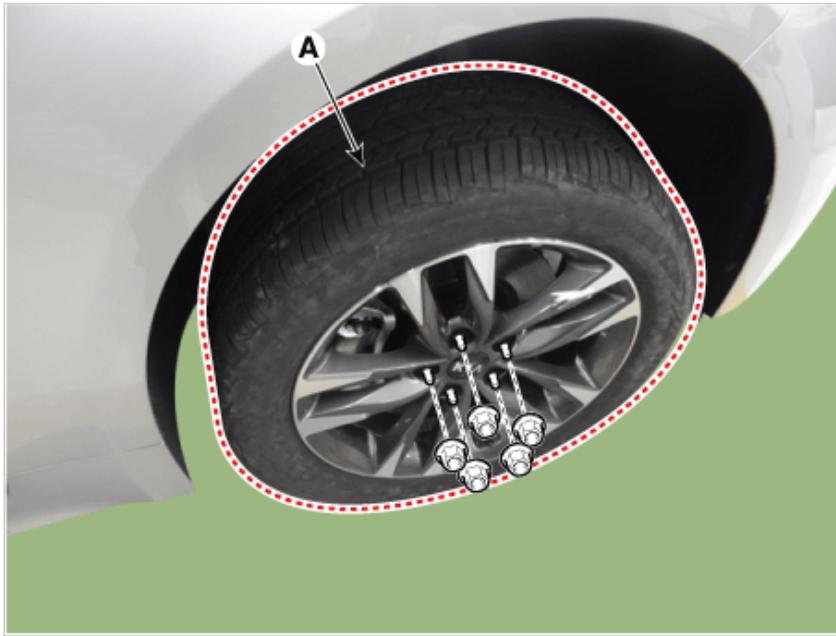
[Brembo]

## Brake pad

1. Remove wheel nuts, front wheel and tire (A) from front hub.

**Tightening torque:**

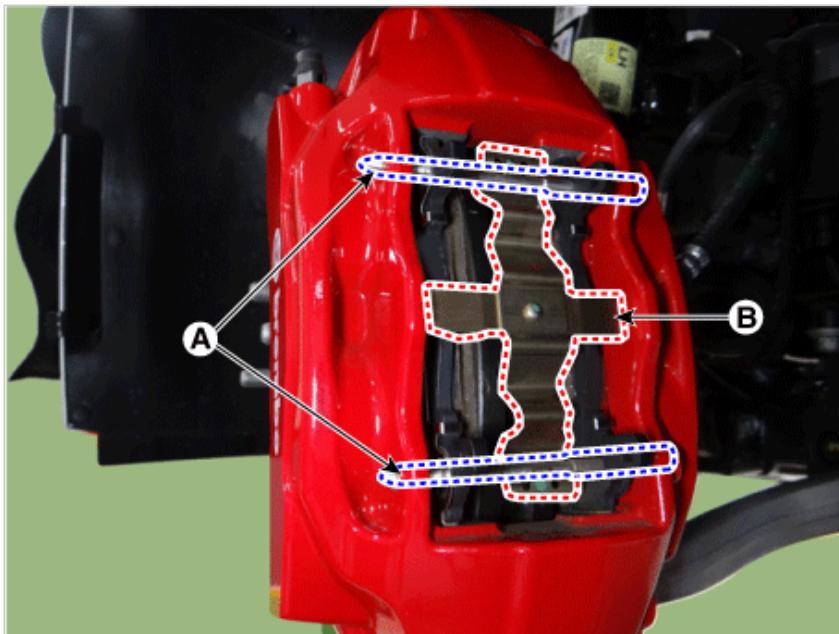
107.9 - 127.5 N·m (11.0 - 13.0 kgf·m, 79.6 - 94.0 lb·ft)



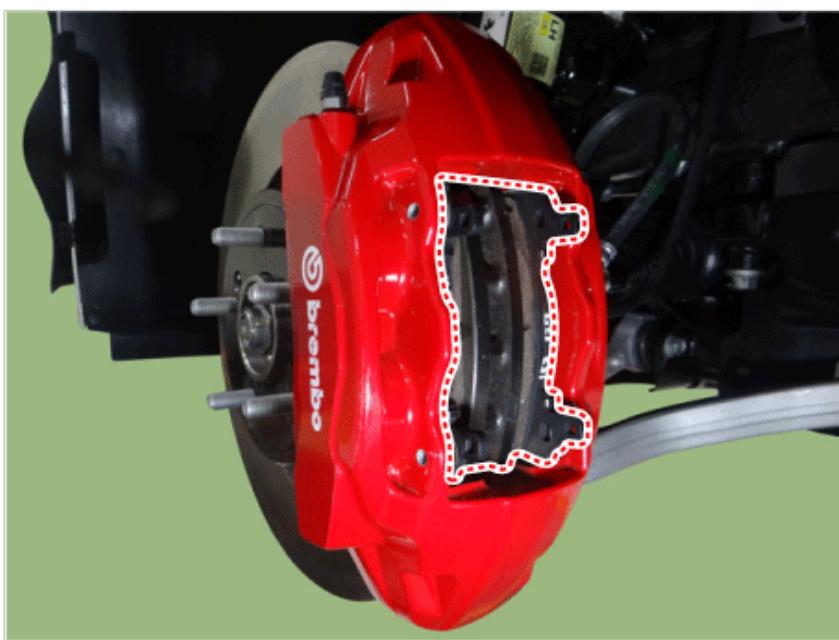
**NOTICE**

Be careful not to damage the hub bolts when removing the front wheel and tire.

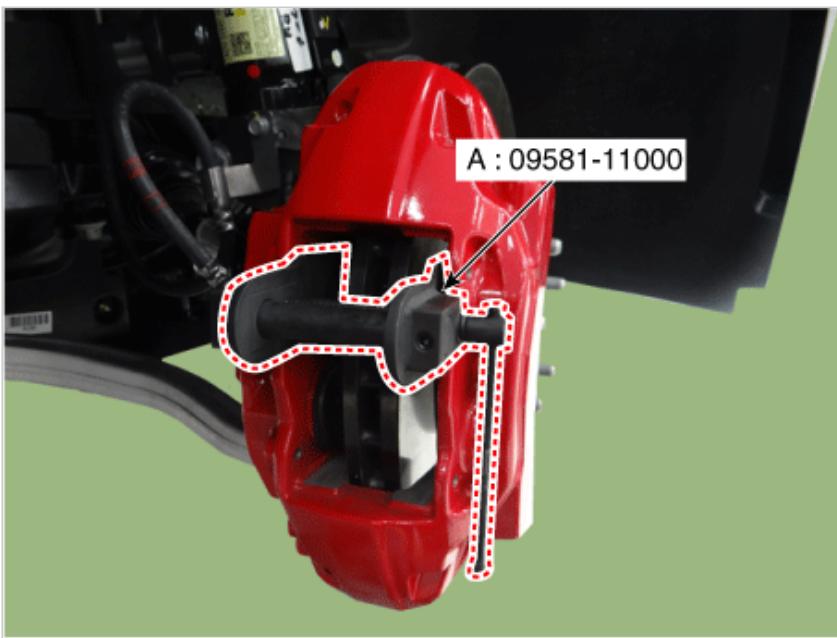
2. Push the guide pin (A) and then remove the retraction spring (B).



3. Remove the brake pad.

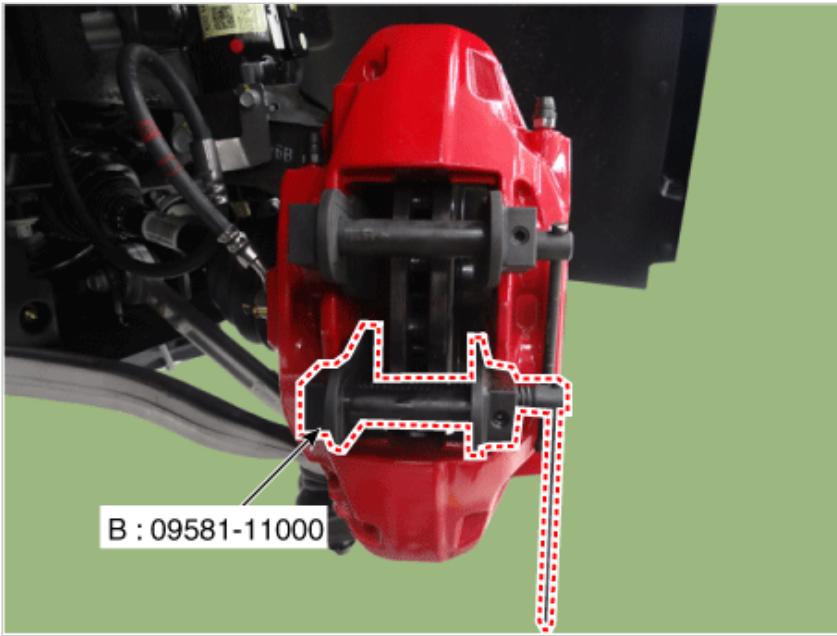


4. Install in the reverse order of removal.
5. Use the SST (09581-11000) when installing the brake caliper assembly.

**NOTICE**

Do not remove the SST (A : 09581-11000).

6. Use the SST (09581-11000) when installing the brake caliper assembly.



7. After installation, bleed the brake system.

(Refer to Brake system - "Brake Bleeding Procedures")

## Inspection

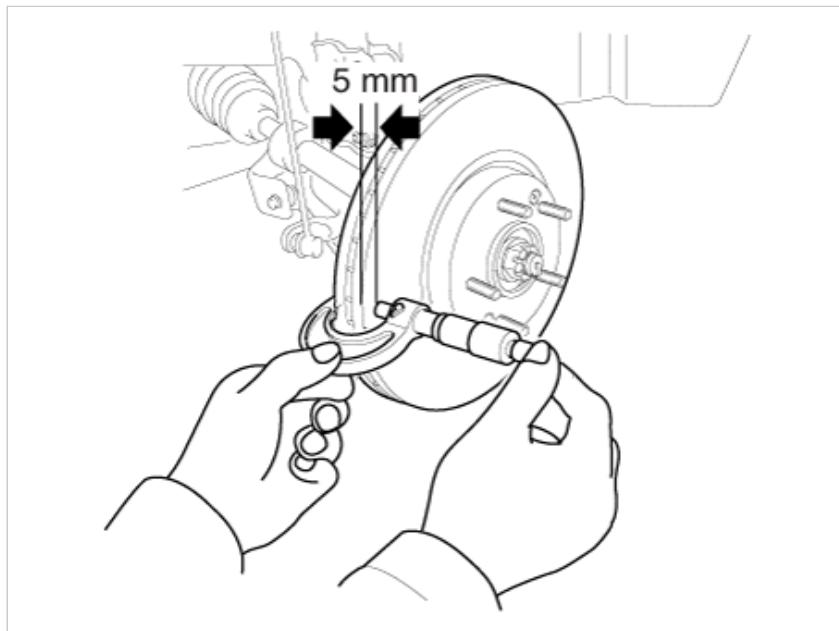
### Front brake disc thickness check

1. Check the brake pads for wear and fade.
2. Check the brake disc for damage and cracks.
3. Remove all rust and contamination from the surface, and measure the disc thickness at 8 points, at least, at the same distance (5mm) apart from the brake disc outer circle.

#### Front brake disc thickness

- 17 in Standard : 28.0 mm (1.10 in)
- 17 in Service limit : 26.0 mm (1.02 in)
- 18 in Standard : 30 mm (1.18 in)
- 18 in Service limit : 28.0 mm (1.10 in)

- Deviation : Less than 0.005 mm (0.0002 in.)



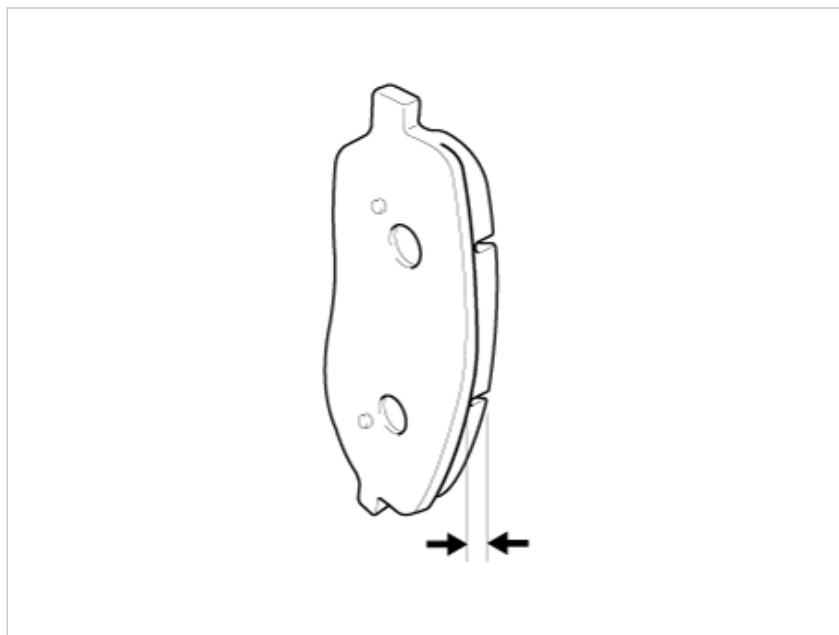
- If wear exceeds the limit, replace the discs and pad assembly left and right of the vehicle.

## Front Brake Pad Check

- Check the pad wear. Measure the pad thickness and replace it, if it is less than the specified value.

### **Pad thickness**

- 17 in Standard value: 11.0 mm (0.43 in)
- 17 in Service limit: 2.0 mm (0.08 in.)
- 18 in Standard value: 10.6 mm (0.42 in)
- 18 in Service limit: 2.8 mm (0.11 in.)



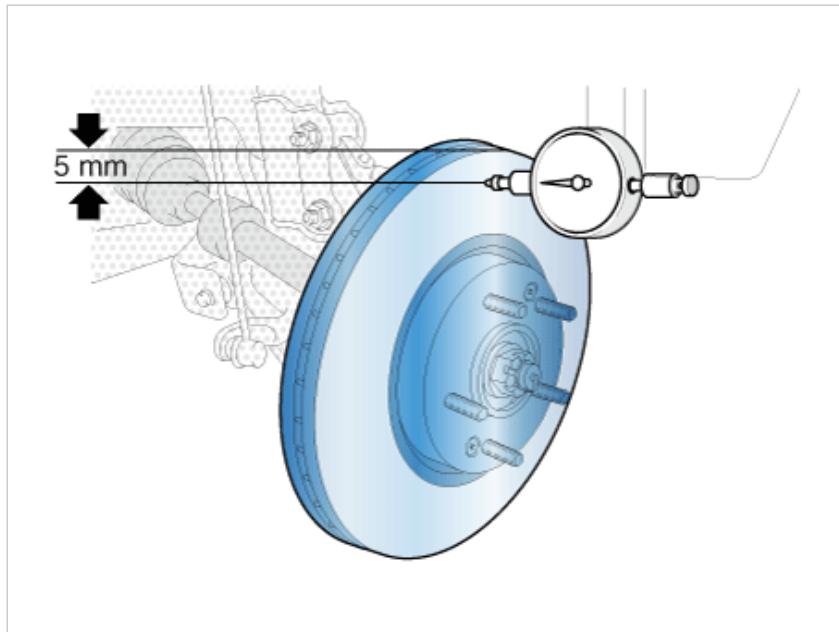
- Check that grease is applied to sliding contact points and check the pad and backing metal for damage.

## Front brake disc runout check

- Place a dial gauge about 5mm (0.2 in.) from the outer circumference of the brake disc, and measure the runout of the disc.

### **Brake disc runout**

Limit: 0.04 mm (0.00157 in.) or less (new one)



2. If the runout of the brake disc exceeds the limit specification, replace the disc, and then measure the runout again.
3. If the runout does not exceed the limit specification, install the brake disc after turning it 180° and then check the brake disc again for runout.
4. If the runout cannot be corrected by changing the position of the brake disc, replace the brake disc.