2006-2010 Kia Optima - Front Brake Pad Replacement

2006-2010 Kia Optima | Moderate | 45-75 minutes per axle | $76 DIY

TOOLS

Floor jack and jack stands Lug wrench Wheel chocks Socket set Brake piston compressor or C-clamp Wire hook or bungee Silicone brake grease Brake cleaner Torque wrench Gloves and safety glasses

PARTS

Front brake pad set for 2006-2010 Kia Optima $76.00

Brake hardware clip kit

STEPS

1. **Park, chock, and loosen the lug nuts - Park the Optima on level pavement, shift to Park,** and set the parking brake. Chock the rear wheels. Crack the front lug nuts loose a quarter turn while the car's weight is still on the tires.
2. **Lift onto jack stands - Jack the front up and lower it onto stands at the reinforced** jacking points. Shake the car to confirm it is steady. Working on brakes with the car on a jack alone is asking for trouble.
3. **Remove the wheel - Take the lug nuts off and pull the wheel free. A corroded wheel may** need a firm kick to the tire sidewall from behind. Rest the wheel flat under the car as a last-resort support.
4. **Unbolt and hang the caliper - Remove the two caliper guide-pin bolts and lift the caliper** off the rotor and pads. Hook it to the strut with wire; never let its weight hang on the brake hose, which can look fine outside and fail under pressure.
5. **Remove the old pads and clips - Slide out the worn pads, noting the wear-indicator** position, and pull the old hardware clips from the bracket. Match the new pads to the old ones to confirm the fit before installing anything.
6. **Compress the piston - Place an old pad over the piston and drive it back into the bore** with a C-clamp or piston tool. Watch the master-cylinder reservoir level rise. If it nears the brim, draw some fluid out with a turkey baster.
7. **Clean and grease the slide pins - Extract the slide pins, wipe them clean, and check the** boots for splits. Apply silicone brake grease and work the pins back and forth to confirm they slide freely. Install the new hardware clips.
8. **Fit the new pads - Set the new pads into the clips, friction side toward the rotor, wear** indicator positioned as before. They should slide without sticking.
9. **Reassemble and lower - Refit the caliper and its bolts, verify the hose routing, and** remount the wheel. Lower the car and torque the lug nuts in a star pattern.
10. **Pump the pedal and bed the pads - Pump the brake pedal until it goes firm before moving** the car. Perform several moderate stops from around 30 mph to mate the pads to the rotors, then confirm the fluid level is correct.

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