2019-2022 Kia Niro EV - Front Brake Pad Replacement

2019-2022 Kia Niro EV | Moderate | 45-75 minutes per axle | $43 DIY

TOOLS

Floor jack and two jack stands Lug wrench Wheel chocks Socket set with 14mm socket Brake piston compressor or large C-clamp Wire hook or bungee cord Silicone-based brake grease Brake parts cleaner Torque wrench Gloves and safety glasses

PARTS

Front brake pad set for 2019-2022 Kia Niro EV $43.00

Brake hardware clip kit (usually included with quality pad sets)

STEPS

1. **Park, secure the car, and loosen the lug nuts - Park on pavement, shift to Park, and engage the** parking brake. Chock the rear wheels. While the car is on the ground, crack each front lug nut a quarter turn so they come off easily once the wheel is...
2. **Lift the front and set it on jack stands - Jack under the front jacking point until the tire** clears the ground. Set jack stands under the reinforced pinch weld or subframe points and lower the car onto them. Give it a firm shake to confirm st...
3. **Remove the front wheel - Remove the lug nuts and pull the wheel straight off the hub. If** corrosion holds it, kick the tire sidewall firmly from behind instead of prying against the rotor. Lay the wheel flat under the rocker...
4. **Unbolt the brake caliper and hang it safely - Remove the two caliper guide-pin bolts and lift the** caliper off, hanging it from the coil spring or strut with wire or a bungee. Never dangle it by the brake hose - it can crack internally and fail...
5. **Remove the old pads and hardware - Slide the worn pads out of the caliper bracket and note the** wear-indicator tab's orientation. Pull out the old stainless hardware clips. Compare old pads to new ones to confirm the shape and backing...
6. **Compress the caliper piston - Set an old pad against the piston and compress it slowly into the** bore with a C-clamp or piston compressor. Watch the reservoir - fluid rises as the piston retracts; siphon some out first if it thr...
7. **Clean and lubricate the slide pins and hardware - Pull the slide pins from the bracket, wipe off** grease, and inspect the rubber boots for tears. Coat the pins with silicone brake grease and slide them back so it floats freely. Snap the new clips in.
8. **Install the new brake pads - Slide the new pads into the hardware clips with the friction** material facing the rotor. Make sure the wear-indicator tab sits in the same position as on the old set. The pads should move freely in th...
9. **Reinstall the caliper over the pads - Lower the caliper over the new pads and rotor, reinstall** the two guide-pin bolts, and tighten securely. Double-check the brake hose isn't twisted or pinched behind the caliper. Spin the rotor by hand...
10. **Reinstall the wheel and lower the car - Mount the wheel and run the lug nuts down finger-tight in** a star pattern. Raise the car off the jack stands, lower it to the ground, and torque the lug nuts in a star pattern. Remove the wheel chocks.
11. **Pump the pedal and bed in the new pads - Before driving, press the brake pedal several times** until firm - the first press nearly reaches the floor. Bed the pads with a few moderate stops from 30 mph, then check the fluid level.

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