2016-2024 Volvo XC90 - Brake Pads

2016-2024 Volvo XC90 | Advanced | 75-100 minutes per axle | $75 DIY

TOOLS

Lug wrench Floor jack Rated jack stands Wheel chocks Metric socket and ratchet set C-clamp or piston compressor Flat-head screwdriver Wire brush Brake parts cleaner High-temperature silicone brake grease Turkey baster Torque wrench Wire hook

PARTS

Brake Pads (axle set) $45.00
Brake Lubricant (caliper slides/pins) $8.00
Brake Cleaner Spray $7.00
Brake Hardware Kit $15.00

STEPS

1. **Prepare the XC90 on flat ground - Park the XC90 on level pavement, switch it off, and** engage the parking brake. Chock the rear wheels and loosen the front lug nuts a half turn with the tires on the ground. Lift the front with a floor jack and set the SUV down securely on j...
2. **Open the reservoir cap to give fluid somewhere to go - Open the hood and find the** brake-fluid reservoir. Wipe the cap and its surroundings clean, then remove the cap. Keep a rag handy; brake fluid damages painted surfaces on contact.
3. **Free the caliper from its guide pins - Pop the rubber dust caps off the slide pins on the** back of the caliper and remove the pins. Keep the brake hose relaxed - never suspend the caliper by it.
4. **Take out the pads and inspect the rotors - Slide the old pads out of the bracket, noting** how the anti-rattle hardware sits so you can mirror it. Rotors with heat damage or heavy scoring should be replaced or professionally resurfaced instead of being paired with new pads.
5. **Press the piston back and re-grease the pins - Keep the piston square as it travels and** watch the reservoir level rise. Clean each slide pin and its bore, inspect the dust boots, and apply fresh high-temperature silicone brake grease before sliding the pins home so the caliper floats f...
6. **Install the pads with fresh anti-rattle hardware - Clean the bracket’s pad slides with a** wire brush and install the new anti-rattle clips and shims from the hardware kit, seating them exactly as the old ones sat. Apply a light film of brake grease to the pad backing plates and ears - nev...
7. **Restore the pedal and take a slow test drive - Refit the reservoir cap and pump the brake** pedal until it feels solid - the pistons must travel out to meet the thicker pads. Confirm the fluid level is between the marks, then do a slow test drive.

TORQUE

Wheel lug nuts 135 Nm 100 ft-lbs
Caliper bracket bolts 108 Nm 80 ft-lbs
Caliper slide pin bolts 34 Nm 25 ft-lbs

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