2017-2024 MINI Countryman - Front Brake Pad

2017-2024 MINI Countryman | Moderate | 90-150 minutes | $133 DIY

TOOLS

Jack and jack stands 17mm protective wheel socket Ratchet and socket set Brake caliper piston compressor Brake grease Brake parts cleaner Wire brush Wheel hanger tool Torque Wrench

PARTS

Front brake pad set (correct for F60 Countryman) $85.00
Brake wear sensor (replace if worn or damaged) $24.00
Brake grease $15.00
Brake parts cleaner $9.00

STEPS

1. **Loosen the wheel bolts and lift the car - With the car on the ground, crack the front** wheel bolts loose with the 17mm socket. Jack up the front and lower it onto jack stands, then remove the bolts and the wheel.
2. **Disassemble the front brakes - Locate the caliper and remove its guide bolts, then lift** the caliper off the carrier and support it so the brake hose is never stretched. The braking hardware is exposed once the caliper is hung safely aside.
3. **Inspect the rotor and hardware - Check the rotor face for deep grooves, cracks, or heavy** rust ridging, and measure thickness if you have a micrometer. Clean the caliper carrier with the wire brush and brake cleaner so the new pads slide freely.
4. **Prepare the new front pads - Compare the new pads with the old ones to confirm identical** shape and size for the F60. Apply a thin film of brake grease to the pad backing plates and contact points, keeping grease off the friction surfaces.
5. **Compress the caliper piston - Fit the piston compressor tool and wind the caliper piston** back into its bore to make room for the thicker new pads. Watch the brake fluid reservoir under the hood and remove a little fluid if it threatens to overflow.
6. **Install the new pads and refit the caliper - Slide the new pads into the cleaned carrier** with the wear sensor in its correct position. Lower the caliper over the pads and refit the guide bolts, tightening them securely.
7. **Refit the wheel and lower the car - Thread the wheel hanger or align the wheel by hand,** then refit the wheel bolts and snug them. Lower the car to the ground and tighten the bolts in a star pattern with the torque wrench to the vehicle specification.
8. **Confirm a firm pedal, no warning light, and smooth stops - The job is finished when the** pedal is firm, the warning light is out, and the car stops smoothly on a gentle test drive with a proper pad bedding-in.

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