

2016-2024 BMW M2 | Moderate | 60-90 minutes

TOOLS

Floor jack and rated jack stands Wheel chocks
17mm lug socket and breaker bar Torque wrench
Pin punch and flathead screwdriver
Brake caliper piston spreader (or large C-clamp)
Wire brush Brake cleaner spray
High-temp brake grease Nitrile gloves, dust mask, and safety glasses

PARTS

Front brake pad set (G87 M2, M Compound brakes)
Front brake pad wear sensor

STEPS

- 1 Park, chock, and break the lug bolts loose - Park the G87 M2 on level pavement, set the parking brake, and chock the rear wheels. Crack the five front lug bolts loose with a 17mm socket while the tire is still on the ground. This is much easier...**
- 2 Raise the front onto jack stands - Lift the front of the car with a floor jack on the front subframe point and place jack stands under the reinforced side jack pads. Lower the car gently onto the stands and confirm it sits solidly bef...**
- 3 Remove the front wheel - Spin the lug bolts out by hand and lift the front wheel off the hub. Slide the wheel under the car beside you as an extra safety cushion. The G87's M Compound fixed caliper and large 380mm rotor are...**
- 4 Unplug the brake pad wear sensor - The G87 uses a pad wear sensor on the left front inner pad, wired to a connector in the wheel well. Unplug the connector and unclip the wire from its retainers. Leave the wire routed neatly so it doe...**
- 5 Drive out the caliper retaining pins - The M Compound fixed calipers hold the pads with retaining pins and a spring clip across the caliper bridge. Tap the pins out with a punch and lift the clip free, keeping the hardware organized for r...**
- 6 Remove the old pads and seat the pistons - Pull the old pads straight out of the caliper and take note of the wear sensor pad's position. Pop the brake fluid reservoir cap under the hood, then squeeze the six pistons back evenly with a piston...**
- 7 Clean, measure, and inspect - Clean the pad abutment surfaces in the caliper with a wire brush and brake cleaner. Measure rotor thickness and compare it to the minimum stamped on the rotor hat, and look for heat cracks or deep sc...**
- 8 Fit the new pads and sensor - Spread a light coat of brake grease on the pad backing plates and edges where they slide in the caliper, keeping the friction faces perfectly clean. Fit the new pads friction-side toward the rotor an...**
- 9 Reassemble the caliper and wheel - Tap the retaining pins back through the caliper and pads and snap the spring clip over them. Refit the wheel, run the lug bolts in by hand, lower the car, and torque the bolts in a star pattern. Conf...**
- 10 Restore pedal feel and bed the pads - Press the brake pedal repeatedly with the engine off until it goes firm and high. Verify the brake fluid level in the reservoir and correct it as needed. Follow the pad maker's bed-in routine, typica...**