

2016-2020 Kia Optima | Advanced | 3-5 hours | \$180 DIY

TOOLS

Floor jack, rated jack stands, wheel chocks, and a breaker bar Metric/SAE socket set, extensions, hex/Torx sockets, and trim tools as fitted Caliper hanger, dead-blow hammer, brass drift, and penetrating oil Torque wrench covering axle-nut and wheel-lug ranges Press or approved bearing driver set (bearing guide) / slide hammer or hub puller (hub assembly guide) ABS-safe electrical cleaner, wire brush, shop towels, and safety glasses/gloves

PARTS

Front wheel bearing kit for 2016-2024 Kia Optima; verify 2WD/4WD, engine, ABS encoder, and side fitment \$180.00
New axle nut or prevailing-torque fastener for 2016-2024 Kia Optima; replace whenever the manufacturer requires \$15.00
New wheel-speed sensor or retaining hardware only if inspection finds damage on 2016-2024 Kia Optima \$35.00

STEPS

- 1 Confirm diagnosis, fitment, and replacement parts - Confirm the noisy or loose corner on the 2016-2024 Kia Optima, compare the new part with the removed assembly, and verify drivetrain, ABS encoder, brake package, and the manufacturer procedure before...**
- 2 Lift and remove the wheel - Park the 2016-2024 Kia Optima on level ground, chock the opposite wheels, break the lug torque loose, lift at the approved point, and support the vehicle on stands. Remove the wheel and keep the lug...**
- 3 Remove the brake and ABS components - Unbolt the caliper and hang it from the suspension, remove the rotor, and unplug or unclip the wheel-speed sensor as applicable. Mark the harness route and keep brake dust and debris out of the hub a...**
- 4 Remove the old bearing or hub - Remove the caliper and rotor, disconnect the ABS sensor as required, and remove the axle nut and hub fasteners without pulling on the sensor harness. On the 2016-2024 Kia Optima, support the knuckle...**
- 5 Clean and install the replacement - Install the bearing with the correct orientation and press only on the proper race; never hammer through the new bearing or load the ABS encoder ring. Clean rust from the 2016-2024 Kia Optima knuckle...**
- 6 Torque and reassemble - Reinstall the rotor, caliper, sensor, and wheel on the 2016-2024 Kia Optima. Use a calibrated torque wrench for the vehicle-specific axle nut, hub bolts, and lug nuts; never use an impact gun for fin...**
- 7 Verify ABS operation and road-test - Before driving the 2016-2024 Kia Optima, spin the wheel by hand and check for drag, play, harness contact, and leaks/grease. Clear any stored ABS code only after diagnosing it, perform a slow road te...**

TORQUE

Front axle nut 215.6 Nm 159 ft-lbs
Wheel lug nuts 107.1 Nm 79 ft-lbs
Hub mounting bolts 78.6 Nm 58 ft-lbs