2016-2020 Kia Optima - Tire Pressure & Rotation

2016-2020 Kia Optima | Moderate | 45-75 minutes | $10 DIY

TOOLS

Tire-pressure gauge and air compressor or pump Floor jack, rated jack stands, and wheel chocks Lug wrench and calibrated torque wrench

PARTS

Valve-stem caps or replacement TPMS service parts only if inspection requires them
$10.00

STEPS

1. **Check and set cold tire pressure from the door-jamb sticker - Park level, brake set,** engine off. Read the door-jamb label for your trim's cold pressure - not the sidewall maximum. Check all four cold (3+ hours parked), inflate or bleed to match, refit caps. An accurate baseline prevents false TPMS...
2. **Loosen the lug nuts and lift the vehicle safely - Crack nuts a half-turn on the ground in** crisscross order - don't remove yet. (Spec: 65-79 lb-ft / 9-11 kgf-m.) Jack at the side-sill lift points onto stands; never under a jack-only car. Chock the grounded wheels.
3. **Rotate the tires in the forward-cross pattern - FWD forward cross: fronts straight back** same-side, rears cross to opposite fronts, about every 7,500 miles. Directional tires (sidewall arrow): same-side front-to-back only. While wheels are off, check tread depth, feel for feathering or c...
4. **Reinstall the wheels and torque the lug nuts - Hang wheels, hand-start every nut, snug in** a star pattern. Lower until tires touch, torque to 65-79 lb-ft in star order, two passes. Fully lower, final check with full weight on tires. Recheck lug torque after 50-100 miles - nuts set...
5. **Let the TPMS relearn and verify the job - Final cold pressure check against the sticker.** Still on: recheck pressures first. Flashing: sensor fault. Log the mileage for the next rotation; confirm no new vibration or pull on a test drive.

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