2016-2025 Chevrolet Malibu - MAF Sensor Replacement

2016-2025 Chevrolet Malibu | Moderate | 1-2 hours | $95 DIY

TOOLS

Metric/SAE socket set, ratchet, and extensions Trim tool or pick for intake clamps and electrical locks Flashlight, clean shop towels, and a scan tool MAF-specific sensor cleaner if diagnosis calls for cleaning before replacement Nitrile gloves and safety glasses

PARTS

MAF sensor for 2016-2025 Chevrolet Malibu; verify engine, connector, calibration, and VIN $95.00

STEPS

1. **Confirm the MAF diagnosis and fitment - Scan and record codes, fuel trims, airflow data,** and symptoms. Inspect the air filter, intake boot, clamps, wiring, connector, and vacuum leaks before condemning the sensor; confirm the new part by VIN.
2. **Switch off and expose the sensor - Park safely, switch the ignition off, and remove the** engine cover or intake duct needed to reach the MAF housing. Photograph the connector and airflow-direction orientation before unplugging anything.
3. **Disconnect the intake and connector - Release the electrical lock without pulling the** wires, then loosen the intake clamp or housing fasteners. Keep the open intake and airbox clean so no grit reaches the throttle body or engine.
4. **Remove and inspect the old sensor - Remove the MAF sensor straight out using the correct** driver and set it on a clean towel. Inspect the seal, housing, intake duct, connector pins, and sensing element; do not reuse a torn seal or damaged housing.
5. **Install the replacement sensor - Install the replacement MAF sensor in the original** airflow direction with its seal seated. Start screws by hand, tighten to the exact service-manual value, and reconnect the electrical plug until its lock clicks.
6. **Seal the intake system - Refit the airbox lid, intake duct, clamps, engine cover, and any** brackets. Verify the duct is fully seated, the clamps are tight, the air filter is correctly positioned, and no tool or rag remains in the intake.
7. **Clear codes and verify readings - Use the appropriate scan-tool reset or relearn** procedure, start the engine, and check for leaks, abnormal idle, warning lights, and plausible live MAF data. Complete the required drive cycle; do not drive if the engine surges, stalls, or t...

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