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## INTAKE MANIFOLD VACUUM INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

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1. Disconnect the evaporative hose No.3 (purge solenoid valve side) and install the vacuum gauge. (See PURGE SOLENOID VALVE REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
2. Verify that the intake air hoses are installed securely.
3. Warm up the engine.
4. Measure the intake manifold vacuum while idling (no load) using the vacuum gauge.
  - If not within the specification, perform the following inspections.
    - Compression pressure (See COMPRESSION INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
    - Check valve (between intake manifold and vacuum pump) (See CHECK VALVE INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
    - Check valve (between vacuum pump and power brake unit) (See CHECK VALVE INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
    - Air suction
      - Installation areas of each vacuum hose
      - Installation area of throttle body
      - Installation area of fuel injector
      - Installation area of PCV valve
      - Installation area of intake manifold

### Standard

**Approx. -60.0 kPa {-450.0 mmHg, -17.7 inHg}**