

# INTAKE-AIR SYSTEM MANIFOLD VACUUM INSPECTION [LF]

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1. • Verify that the intake air hoses are installed securely.
2. Warm up the engine.
3. Disconnect the vacuum hose connecting the intake manifold and the purge solenoid valve (intake manifold side) and install the vacuum gauge.
4. Using the vacuum gauge, measure the intake manifold vacuum in the idling condition (no load).
  - If not within the specification, perform the following inspections.
    - Accelerator cable play
    - Compression pressure (See [COMPRESSION INSPECTION \[LF\]](#).)
    - Air suction (throttle body, fuel injector, PCV valve, intake manifold)

## Note

- If any air suction exists, the change in engine speed can be made apparent by spraying penetrant lubricating spray on the applicable part.

## Standard

**MTX: -60.0 kPa {-451 mmHg, -17.8 inHg} or more****ATX: -55.0 kPa {-413 mmHg, -16.3 inHg} or more**

5. After measuring the intake manifold vacuum, install the vacuum hose to the intake manifold as shown in the figure.

