

THROTTLE BODY ON-VEHICLE INSPECTION

SF1YR-01

1. CHECK FOR OPERATING SOUND

- Turn the ignition switch to the ON position.
- When turning the accelerator pedal position sensor lever, listen to the running sound of the motor. Also, check that there is no friction sound.

If operation is not as specified, check the throttle control motor (see page [DI-283](#)), wiring and ECM.

2. INSPECT THROTTLE POSITION SENSOR

- Connect the hand-held tester to the DLC3.
- Turn the ignition switch to the ON position.
- When turning the accelerator pedal position sensor lever to the full-open position, check the percentage of the throttle valve opening angle (THROTTLE POS) of the CURRENT DATA.

**Standard percentage of the valve opening angle:
60 % or more**

If operation is not as specified, check the accelerator pedal position sensor (see page [DI-299](#)), the wiring and the ECM.

If not using a hand-held tester, measure the voltage between the terminals (VTA1 – E2, VTA2 – E2) of the ECM connector (see page [DI-34](#)).

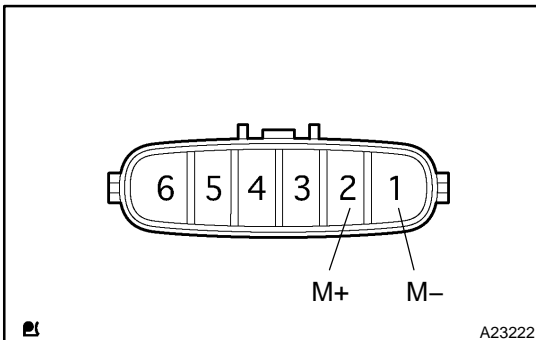
3. INSPECT AIR ASSIST SYSTEM

- Start the engine and check that the MIL does not illuminate.
- Let the engine warm up to the normal operating temperature.
- Switch the A/C compressor from ON to OFF, and check the idle speed.

Idle speed (Transmission in neutral): 650 to 750 rpm

NOTICE:

Perform inspection without an electrical load.



4. INSPECT THROTTLE BODY RESISTANCE

Using an ohmmeter, measure the resistance between the terminals.

Terminal No.	Resistance
2 (M+) ↔ 1 (M-)	0.3 to 100 Ω at 20 °C (68 °F)