

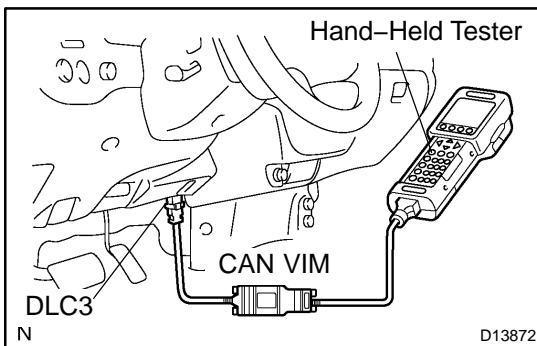
## THROTTLE BODY ON-VEHICLE INSPECTION

SF1XJ-02

1. REMOVE THROTTLE BODY COVER
2. INSPECT SYSTEM OPERATION

- (a) Inspect the throttle control motor for operating sound.
  - (1) Turn the ignition switch ON.
  - (2) When depressing the accelerator pedal, check 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 step 3), wiring and ECM.



- (b) Inspect the accelerator pedal position sensor.
  - (1) Connect a hand-held tester to the Controller Area Network Vehicle Interface Module (CAN VIM). Then connect the CAN VIM to the Data Link Connector 3 (DLC3).
  - (2) Check that the MIL does not light up.
  - (3) When turning the accelerator pedal position sensor lever to the full-open position, check that the throttle valve opening percentage (THROTTLE POS) of the CURRENT DATA shows the standard value.

### Standard throttle valve opening percentage: 60% or more

If operation is not as specified, check that the accelerator pedal position sensor (see page [DI-794](#)), wiring and ECM.

If not using a hand-held tester, measure the voltage between terminals (VTA1-E2, VTA2-E2) of the ECM connector (See page [DI-548](#)).

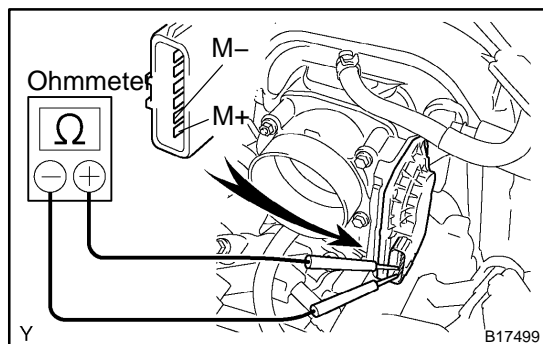
- (c) Inspect the idle speed.
  - (1) Start the engine and check that the MIL does not light up.
  - (2) Allow the engine to warm up to normal operating temperature.
  - (3) Turn the A/C compressor ON to OFF, and check the idle speed.

**Idle speed (Transmission in neutral): 700 ± 50 rpm**

### NOTICE:

**Perform inspection without an electrical load.**

- (d) After checking the above (a) to (c), perform the driving test and check that there is no sense of incongruity.

**3. INSPECT THROTTLE CONTROL MOTOR**

- (a) Disconnect the throttle control motor connector.
- (b) Using an ohmmeter, measure the motor resistance between terminals M+ and M-.

**Motor resistance: 0.3 to 100  $\Omega$  at 20°C (68°F)**

If the resistance is not as specified, replace the throttle body assembly (see page [SF-44](#)).

- (c) Reconnect the throttle control motor connector.

**4. INSPECT THROTTLE POSITION SENSOR**

**(See page [DI-548](#))**

If necessary, replace the throttle body assembly (see page [SF-44](#)).

**5. REINSTALL THROTTLE BODY COVER**