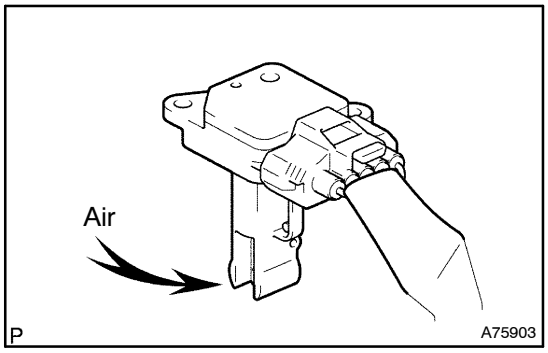
ECD SYSTEM (N04C–TF)

ON–VEHICLE INSPECTION

100P6–01



1. INSPECT MAF METER

(a) Connect the hand–held tester (with 24V VIM) to the DLC3.

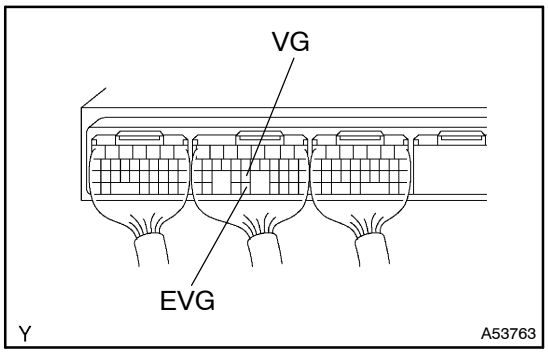
NOTICE:

Be sure to 24 V VIM, because the hand–held tester will be damaged if you do not use the 24 V VIM.

(b) Turn the ignition switch ON.

(c) Blow air into the MAF meter. Check that the hand–held tester CURRENT DATA's MAF values fluctuates as a result of the air flow.

If the operation is not as specified, check the MAF meter (see page 05–59), wiring and ECM.



(d) When not using the hand–held tester:

(1) Turn the ignition switch ON.

(2) Connect the voltmeter's positive probe to terminal VG of the ECM and the negative probe to terminal EVG of the ECM.

(3) Blow air into the MAF meter and check that the voltage fluctuates.

If operation is not as specified, check the MAF meter (see page 05–59), wiring and ECM.

2. INSPECT VENTURI ASSY

(a) Inspect the throttle control motor for operating sound.

(1) Turn the ignition switch ON.

(2) When depressing the accelerator pedal, check that the running sound of the motor can be heard. Also, check that there is no friction sound.

If operation is not as specified, check the throttle control motor (see page 05–115), wiring and ECM.

(b) Inspect the throttle position sensor.

(1) Connect the hand–held tester (with VIM 24V) to the DLC3.

NOTICE:

Be sure to 24 V VIM, because the hand–held tester will be damaged if you do not use the 24 V VIM.

(2) Turn the ignition switch ON.

(3) When turning the accelerator pedal position sensor lever to the fully open position, check that the throttle valve opening percentage (THROTTLE POS) of the CURRENT DATA shows the standard value specified below.

Standard throttle valve opening percentage:

60 % or more

If operation is not as specified, check the accelerator pedal position sensor (see page 05–86), wiring and ECM.

If no hand–held tester is available, measure the voltage between the terminals of the ECM connector (see page 05–115).

(c) Inspect the air assist system.
  (1) Start the engine and check that the MIL does not illuminate.
  (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): 600 to 700 rpm

NOTICE:

Perform the inspection with all electrical loads shut OFF.

(d) After performing steps (b) and (c), perform the driving test and check that the vehicle runs smoothly.

3. INSPECT ACCELERATOR PEDAL POSITION SENSOR (See page 05–143)