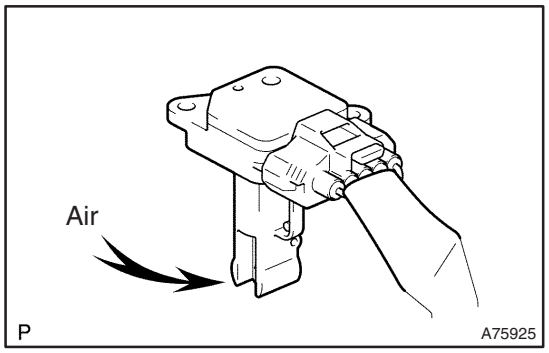
ECD SYSTEM (1KD–FTV)(From August, 2004)

100TC–02

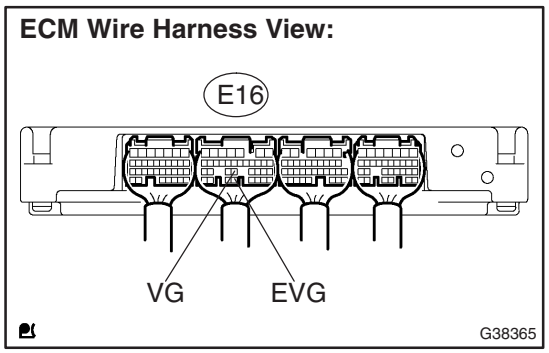
ON–VEHICLE INSPECTION



1. INSPECT MASS AIR FLOW METER

(a) When using the intelligent tester II:
Inspect operation.
(1) Connect the intelligent tester II to the DLC3.
(2) Turn the ignition switch ON.
(3) Blow air into the MAF meter, and check that the air flow fluctuates.

If operation is not as specified, check the MAF meter (See page 10–17), wiring and ECM.



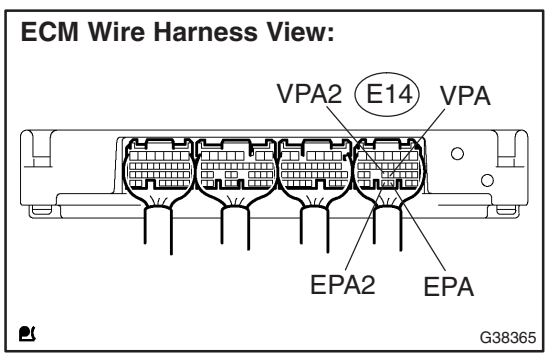
(b) When not using the intelligent tester II:
Inspect operation.
(1) Turn the ignition switch ON.
(2) Using a voltmeter, connect the positive (+) tester probe to terminal VG, and negative (–) tester probe to terminal EVG.
(3) Blow air into the MAF meter, and check that the voltage fluctuates.

If operation is not as specified, check the MAF meter (see page 10–17), wiring and ECM.

2. INSPECT ACCELERATOR PEDAL ROD ASSY (ACCELERATOR PEDAL POSITION SENSOR)

(a) When using the intelligent tester II:
(1) Connect the intelligent tester II to the DLC3.
(2) Turn the ignition switch ON.
(3) Check that the voltage (Accelerator Position No.1) of the DATA LIST is within the standard value.
Accelerator pedal released: 0.3 to 0.9 V
Accelerator pedal depressd: 3.2 to 4.8 V
(4) Check that the voltage (Accelerator Position No.2) of the DATA LIST is within the standard value.
Accelerator pedal released: 1.8 to 2.7 V
Accelerator pedal depressd: 4.5 to 5.5 V

(b) When not using the intelligent tester II:



(1) Measure the voltage between terminals (VPA – EPA, VPA2 – EPA2) of the ECM connector (See page 05–458).