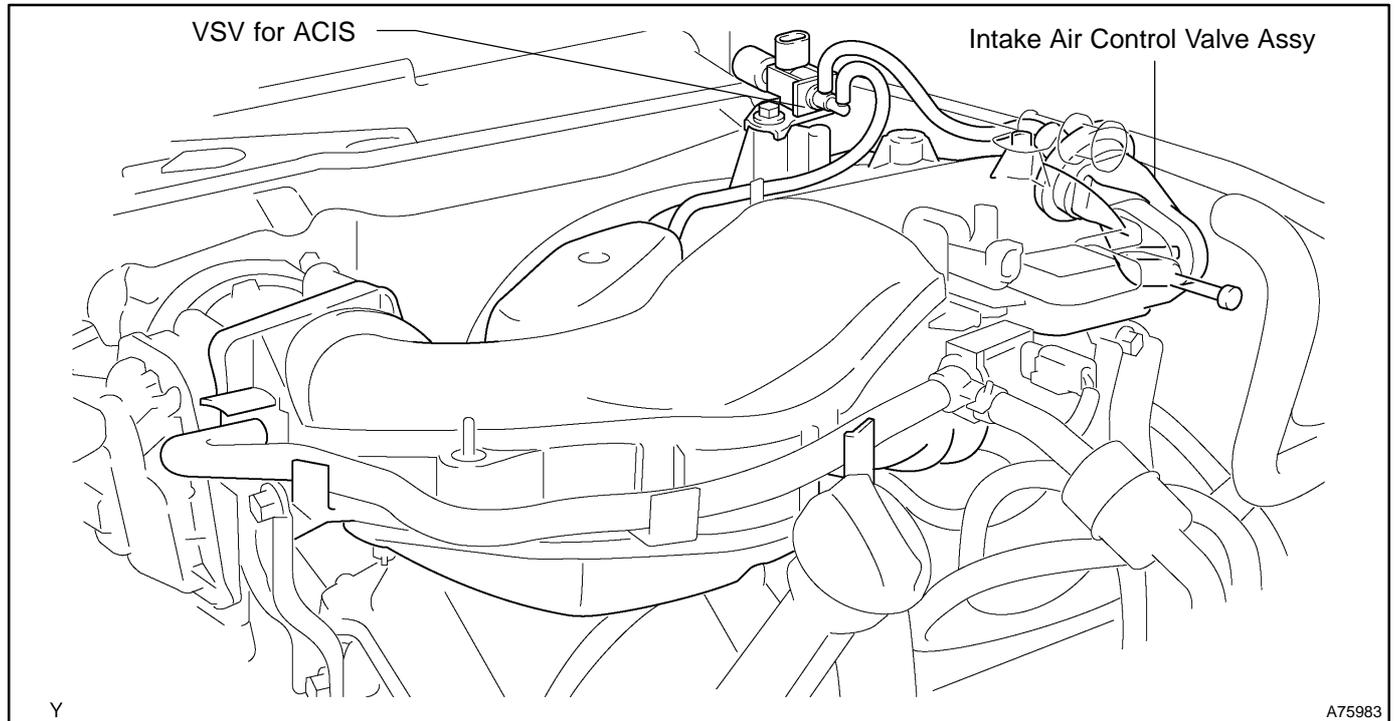


# INTAKE AIR CONTROL SYSTEM (1GR-FE)

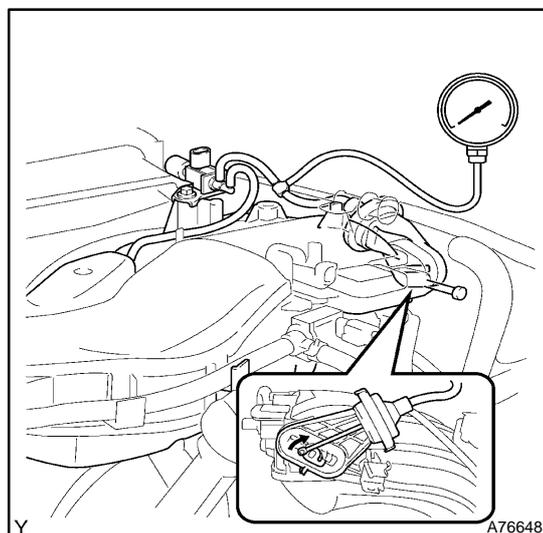
1305L-01

## ON-VEHICLE INSPECTION

### 1. INSPECT INTAKE AIR CONTROL FUNCTION



- (a) Remove the V-bank cover.
- (b) Set hand-held tester to the DLC3.
- (c) Perform the ACTIVE TEST, then check that the actuator rod operates.
- (d) Start the engine.
- (e) Check that the VSV for ACIS is ON under the condition.
  - Depressing the accelerator pedal to 60 % accelerator opening angle.
  - Racing the engine above 4,700 rpm.
- (f) Check that the VSV for ACIS is OFF under the condition.
  - The engine idling.
  - Release the accelerator pedal when the condition of step (e).



### 2. INSPECT INTAKE AIR CONTROL VALVE

- (a) Remove V-bank cover.
- (b) Using a 3-way connector, connect vacuum gauge to the actuator hose.
- (c) Start the engine.
- (d) While the engine is idling, check that the vacuum gauge needle momentarily fluctuates up to approx. 39.9 kPa (300 mmHg, 11.8 in.Hg). (The actuator rod is pulled out.)
- (e) Rapidly depress the accelerator pedal to fully open position and check that the vacuum gauge needle points to 0 kPa (0 mmHg, 0 in.Hg). (The actuator rod is returned.)
- (f) Remove the vacuum gauge, and connect the vacuum hose to the actuator.
- (g) Reinstall V-bank cover.