

EFI SYSTEM (2AZ-FE)

1006H-01

ON-VEHICLE INSPECTION

1. INSPECTION THROTTLE BODY

- (a) Inspect the throttle control motor for operating sound.
 - (1) Turn the ignition switch ON.
 - (2) When turning the accelerator pedal position sensor lever, check the running sound of the motor. Also, check that there is no friction sound.
- (b) Inspect the throttle position sensor.
 - (1) Connect the hand-held tester to the DLC3.
 - (2) Turn the ignition switch ON.
 - (3) Check that the check engine warning light does not light up.
 - (4) Check that the throttle valve opening percentage (THROTTLE POS) of the CURRENT DATA shown the standard value.

Standard throttle valve opening percentage:

60 % or more

2. INSPECT ACCELERATOR PEDAL POSITION SENSOR

- (a) When turning ignition switch ON, check that the voltage of the throttle position sensor of the CURRENT DATA shown the standard value.

Standard voltage: 0.6 – 1.0 V

3. INSPECT CAMSHAFT TIMING OIL CONTROL VALVE ASSY

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Start the engine and warmed it up.
- (d) Connect the hand-held tester and select the VVT from the ACTIVE TEST menu.
- (e) Check the engine speed when the OCV is operated by the hand-held tester.

Standard:

VVT system is OFF (OCV is OFF): Normal engine speed

VVT system is ON (OCV is ON): Rough idle or engine stalled