

IGNITION TIMING INSPECTION

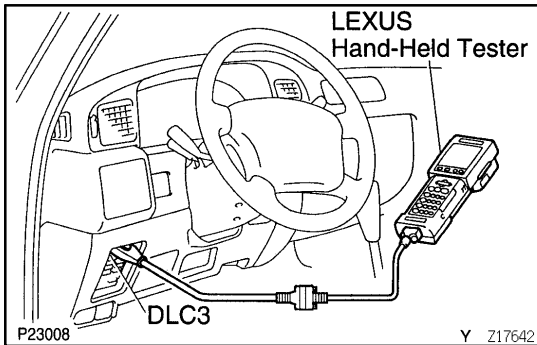
EM1G0-01

1. WARM UP ENGINE

Allow the engine to warm up to normal operating temperature.

2. CONNECT LEXUS HAND-HELD TESTER OR OBD II SCAN TOOL

- (a) Remove the fuse cover on the instrument panel.



- (b) Connect the LEXUS hand-held tester or OBD II scan tool to the DLC3.

- (c) Please refer to the LEXUS hand-held tester or OBD II scan tool operator's manual for further details.

3. CONNECT TIMING LIGHT TO ENGINE

4. CHECK IDLE SPEED

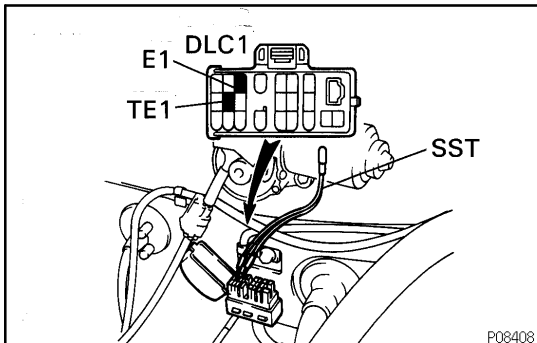
- (a) Race the engine speed at 2,500 rpm for approx. 90 seconds.

- (b) Check the idle speed.

Idle speed: 650 ± 50 rpm

5. INSPECT AND ADJUST IGNITION TIMING

- (a) Using SST, connect terminals TE1 and E1 of the DLC1.
SST 09843-18020



- (b) Using a timing light, check the ignition timing.

Ignition timing: 3° BTDC @ idle

(Transmission in neutral position and A/C OFF)

- (c) Loosen the hold-down bolt, and adjust by turning the distributor.

- (d) Tighten the hold-down bolt, and recheck the ignition timing.

Torque: 18 N·m (180 kgf·cm, 13 ft·lbf)

- (e) Remove the SST from the DLC1.

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6. FURTHER CHECK IGNITION TIMING

Ignition timing: 2 - 13° BTDC @ idle

(Transmission in neutral position and A/C OFF)

HINT:

The timing mark moves in a range between 2° and 13°.

7. DISCONNECT TIMING LIGHT FROM ENGINE

8. DISCONNECT LEXUS HAND-HELD TESTER OR OBD II SCAN TOOL

