



IGNITION TIMING INSPECTION

EM03-02

1. WARM UP ENGINE

Allow the engine to warm up to normal operating temperature.

2. CONNECT LEXUS HAND-HELD TESTER OR OBDII SCAN TOOL

- (a) Connect the LEXUS hand-held tester or OBDII scan tool to the DLC3.
- (b) Please refer to the LEXUS hand-held tester or OBDII scan tool operator's manual for further details.

3. CONNECT TIMING LIGHT TO ENGINE

4. CHECK IDLE SPEED (See page EM-13)

5. INSPECT IGNITION TIMING

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

- (b) Connect the timing light clip to the white lead wire.

NOTICE:

Use a timing light that can detect the primary signal.

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

Ignition timing: $10 \pm 2^\circ$ BTDC @ idle
(Transmission in neutral position)

- (d) Remove the SST from the DLC1.

6. FURTHER CHECK IGNITION TIMING

Ignition timing: $6 - 16^\circ$ BTDC @ idle
(Transmission in neutral position)

HINT:

The timing mark moves in a range between 6° and 16° .

7. DISCONNECT TIMING LIGHT FROM ENGINE

8. DISCONNECT LEXUS HAND-HELD TESTER OR OBDII SCAN TOOL