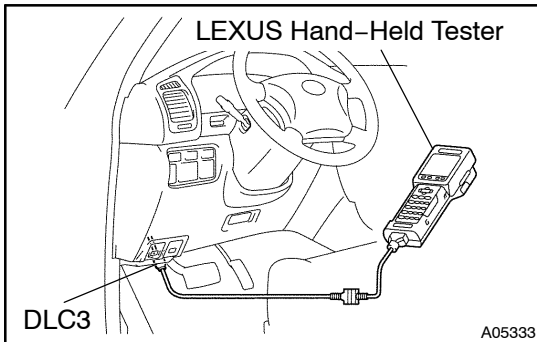


IGNITION TIMING INSPECTION

EMOMB-01

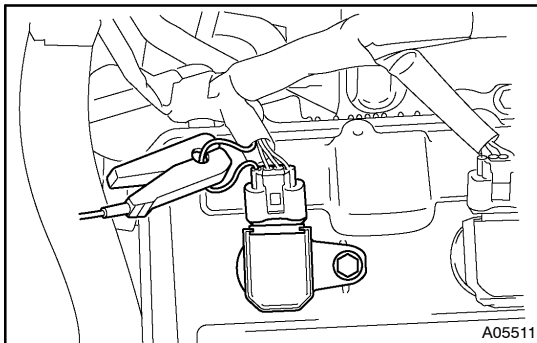
1. REMOVE BATTERY CLAMP COVER
2. REMOVE INTAKE AIR CONNECTOR
3. REMOVE V-BANK COVER
4. WARM UP ENGINE

Allow the engine to warm up to normal operating temperature.



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

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



6. CONNECT TIMING LIGHT TO ENGINE

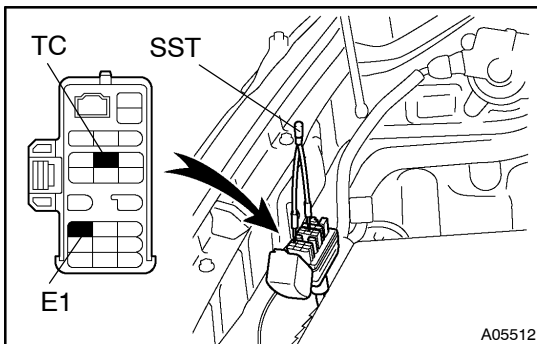
Connect the tester probe of a timing light to the wire of the ignition coil connector for No.1 cylinder.

7. CHECK IDLE SPEED

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

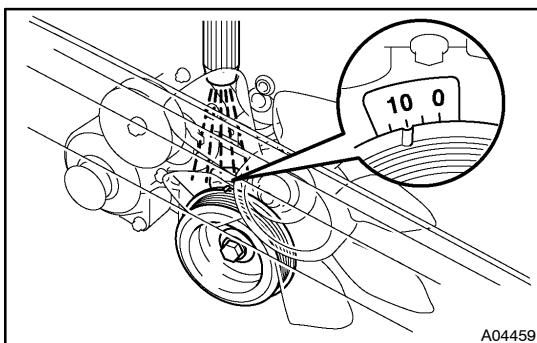
Idle speed:

700 ± 50 rpm



8. INSPECT IGNITION TIMING

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



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

Ignition timing:

5 – 15° BTDC @ idle

(Transmission in neutral position)

- (c) Remove the SST from the DLC1.
SST 09843-18020

9. DISCONNECT TIMING LIGHT FROM ENGINE
10. DISCONNECT LEXUS HAND-HELD TESTER OR OBD II SCAN TOOL

- 11. REINSTALL V-BANK COVER**
- 12. REINSTALL INTAKE AIR CONNECTOR**
- 13. REINSTALL BATTERY CLAMP COVER**