

IGNITION TIMING INSPECTION

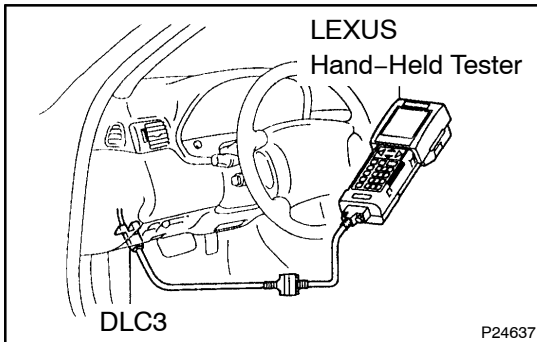
EMOFT-01

1. **REMOVE BATTERY CLAMP COVER**
2. **REMOVE AIR CLEANER INLET**
3. **REMOVE V-BANK COVER**

Remove the 2 cap nuts, 2 bolts and V-bank cover.

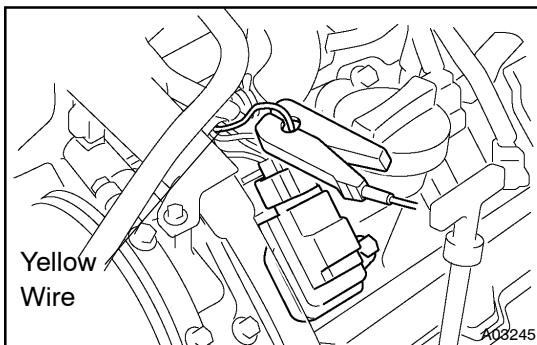
4. **WARM UP ENGINE**

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**

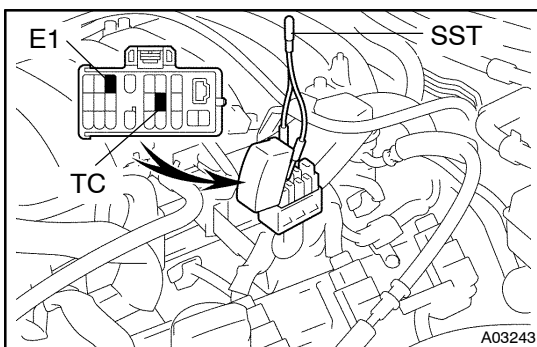
Connect the tester probe of a timing light to the yellow lead wire of the ignition coil connector for No.1 cylinder.

7. **CHECK IDLE SPEED**

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

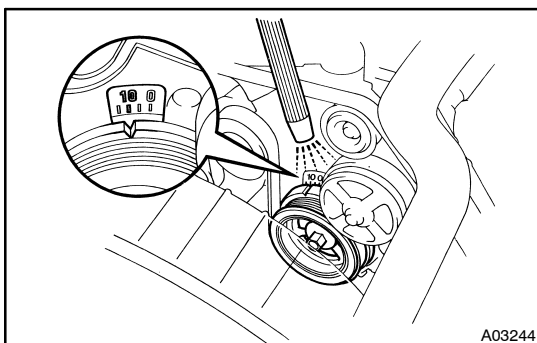
Idle speed:

750 ± 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:

8 - 12° 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**