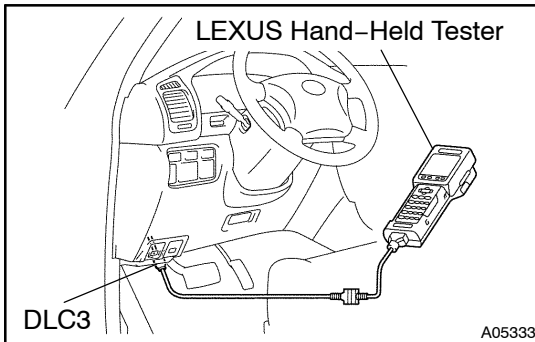


IGNITION TIMING INSPECTION

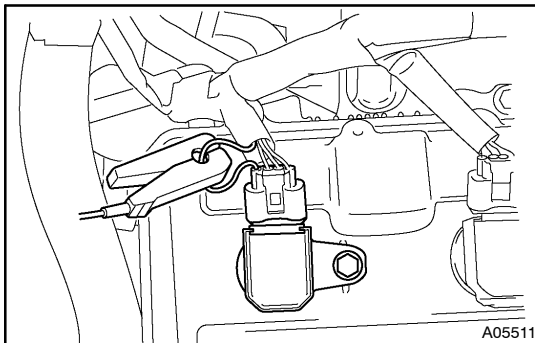
EMOMB-01

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.

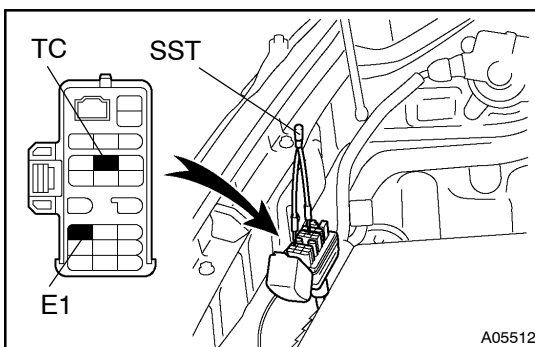


5. **CONNECT LEXUS HAND-HELD TESTER OR OBD II SCAN TOOL**
 - (a) Connect the hand-held tester or OBD II scan tool to the DLC3.
 - (b) Please refer to the hand-held tester or OBD II scan tool operator's manual for further details.

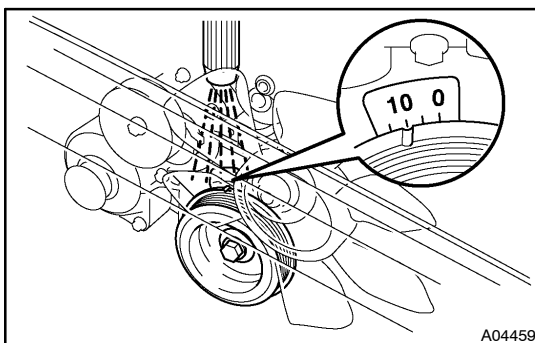


6. **CONNECT TIMING LIGHT TO ENGINE**
Connect the tester probe of a timing light to the wire of the ignition coil connector for No.1 cylinder.

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**