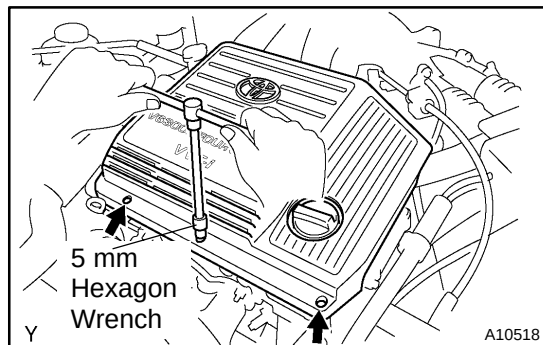




IGNITION TIMING INSPECTION

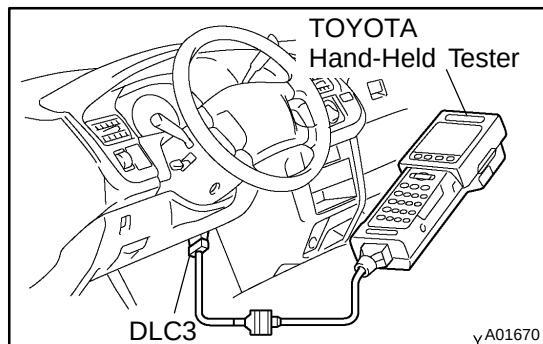
EM119-01

1. REMOVE V-BANK COVER

- Using a 5 mm hexagon wrench, remove the 3 cap nuts.
- Loosen the V-bank cover fastener counterclockwise.
- Remove the V-bank cover.

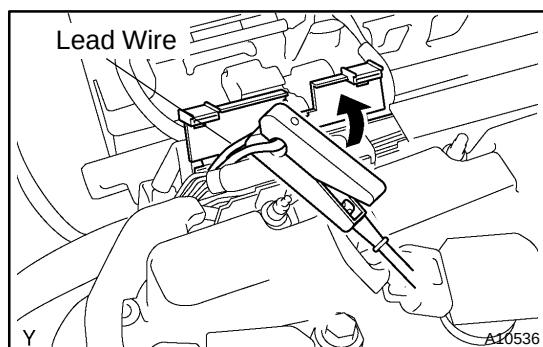
2. WARM UP ENGINE

Allow the engine to warm up to normal operating temperature.



3. CONNECT TOYOTA HAND-HELD TESTER OR OBDII SCAN TOOL

- Connect the TOYOTA hand-held tester or OBDII scan tool to the DLC3.
- Please refer to the TOYOTA hand-held tester or OBDII scan tool operator's manual for further details.



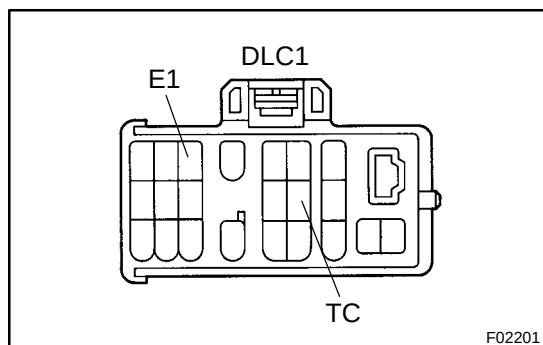
4. CONNECT TIMING LIGHT TO ENGINE

Connect the clip of a timing light to the lead wire as shown.

5. CHECK IDLE SPEED

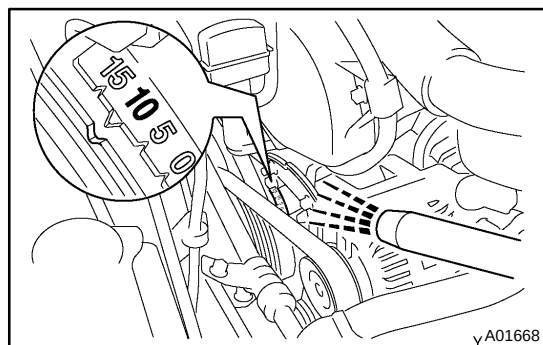
- Race the engine speed at 2,500 rpm for approx. 90 seconds.
- Check the idle speed.

Idle speed: 700 ± 50 rpm



6. INSPECT IGNITION TIMING

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



- Using a timing light, check the ignition timing.
**Ignition timing: 8 - 12° BTDC @ idle
(Transmission in neutral position)**
- Remove the SST from the DLC1.
SST 09843-18020

7. FURTHER CHECK IGNITION TIMING

Ignition timing: 7 - 24° BTDC @ idle
(Transmission in neutral position)

HINT:

The timing mark moves in a range between 7° and 24°.

8. DISCONNECT TIMING LIGHT FROM ENGINE**9. DISCONNECT TOYOTA HAND- HELD TESTER OR
OBDII SCAN TOOL****10. REINSTALL V-BANK COVER**

- (a) Using a 5 mm hexagon wrench, install the V-bank cover with the 3 cap nuts.
- (b) Press down the V-bank cover fastener.