

IGNITION TIMING INSPECTION

EM04H-03

1. WARM UP ENGINE

Allow the engine to warm up to normal operating temperature.

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

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

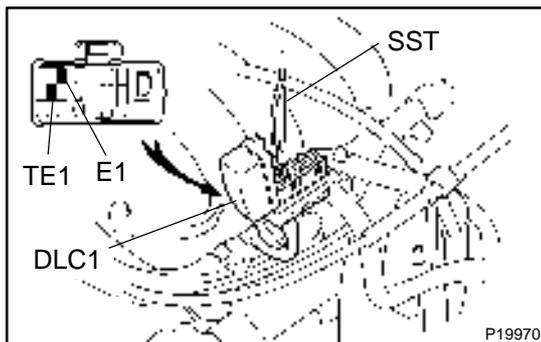
3. CONNECT TIMING LIGHT TO ENGINE

4. CHECK IDLE SPEED

- (a) Race the engine speed at 1,000 rpm for approx. 5 seconds.
- (b) Check the idle speed.

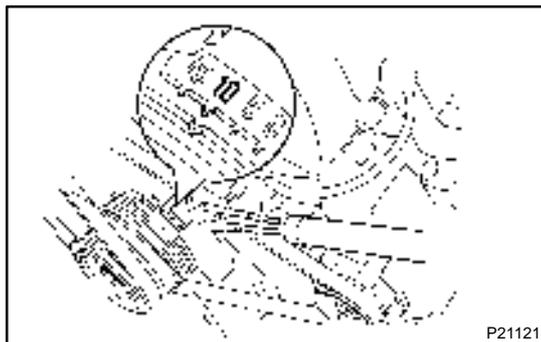
Idle speed:

700 ± 50 rpm (Transmission in neutral position and A/C OFF)



5. INSPECT IGNITION TIMING

- (a) Using SST, connect terminals TE1 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.
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6. FURTHER CHECK IGNITION TIMING

Ignition timing:

3 – 19° BTDC @ idle (Transmission in neutral position)

HINT:

The timing mark moves in a range between 3° and 19°.

7. DISCONNECT TIMING LIGHT FROM ENGINE

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