

## IGNITION TIMING INSPECTION

EM01F-05

### 1. WARM UP ENGINE

Allow the engine to warm up to normal operating temperature.

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

- Connect a 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.

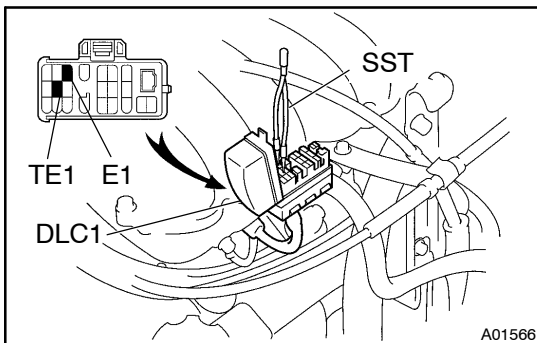
### 3. CONNECT TIMING LIGHT TO ENGINE

### 4. CHECK IDLE SPEED

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

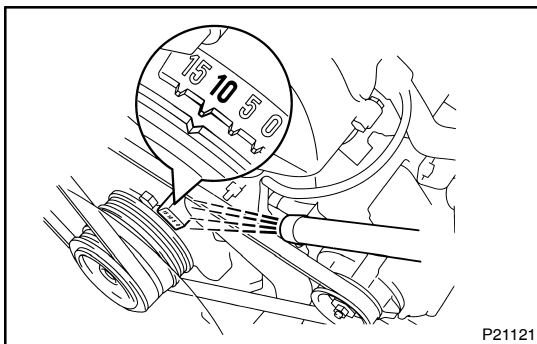
**Idle speed: 700 ± 50 rpm**

**(Transmission in neutral position and A/C OFF)**



### 5. INSPECT IGNITION TIMING

- Using SST, connect terminals TE1 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

### 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