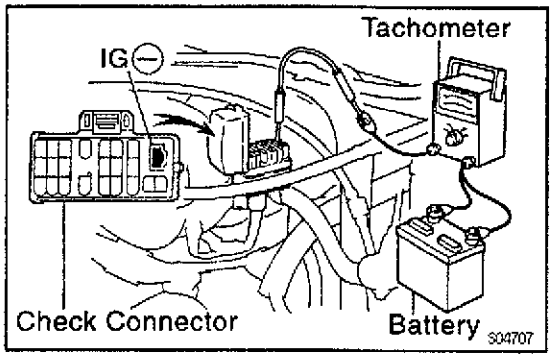
IGNITION TIMING INSPECTION

EG0660-03

1. **WARM UP ENGINE**
Allow the engine to warm up to normal operating temperature.

EG

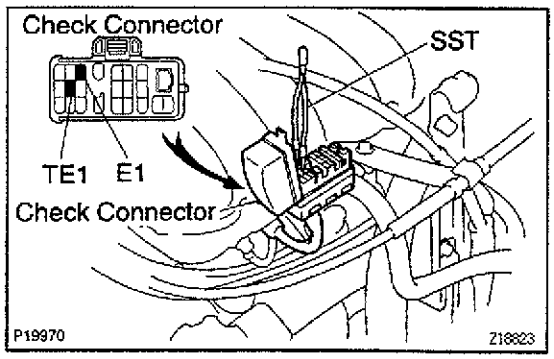


2. **CONNECT TACHOMETER AND TIMING LIGHT TO ENGINE**
Connect the tester probe of a tachometer to terminal IG⊖ of the check connector.
NOTICE:
- **Never allow the tachometer terminal to touch ground as it could result in damage to the igniter and/or ignition coil.**
- **As some tachometers are not compatible with this ignition system, we recommend that you confirm the comptibility of your unit before use.**

3. **CHECK IDLE SPEED**

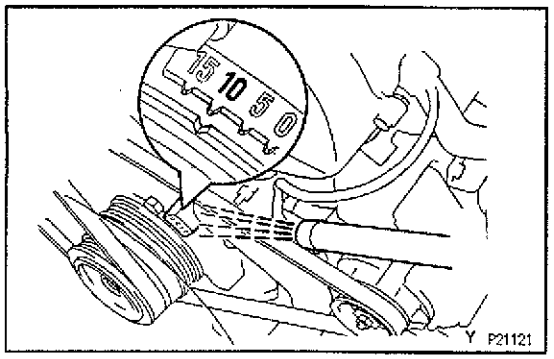
(a) Race the engine speed at 1,000 rpm for approx. 5 seconds.

(b) Check the idle speed.
Idle speed:
700 ± 50 rpm
(Transmission in neutral position and A/C OFF)



4. **INSPECT IGNITION TIMING**

(a) Using SST, connect terminals TE1 and E1 of the check connector.
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 check connector.
SST 09843–18020

5. **FURTHER CHECK IGNITION TIMING**

Ignition timing:

10 – 24° BTDC @ idle

(Transmission in neutral position)

HINT: The timing mark moves in a range between 10° and 24°.

6. **DISCONNECT TACHOMETER AND TIMING LIGHT FROM ENGINE**

IDLE SPEED INSPECTION

EG785-01

1. **INITIAL CONDITIONS**

(a) Engine at normal operating temperature
(b) Air cleaner installed
(c) All pipes and hoses of air induction system connected
(d) All accessories switched OFF
(e) All vacuum lines properly connected
(f) EFI system wiring connectors fully plugged
(g) Ignition timing checked correctly
(h) Transmission in neutral position
(i) A/C switch is OFF

2. **CONNECT TACHOMETER**

(See ignition timing inspection)

3. **INSPECT 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

If the idle speed is not as specified, check the ISC valve and air intake system.

4. **DISCONNECT TACHOMETER**