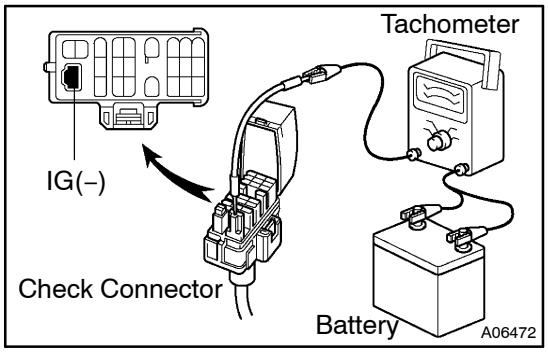
IGNITION TIMING

EM00S–03

INSPECTION

1. WARM UP ENGINE

Allow the engine to warm up to normal operating temperature.

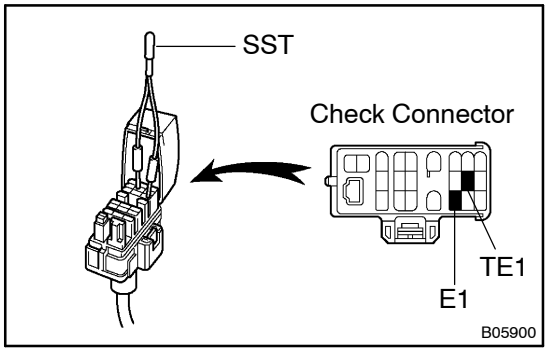


2. CONNECT TACHOMETER AND TIMING LIGHT TO ENGINE

Connect the test probe of 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 compatibility of your unit before use.**

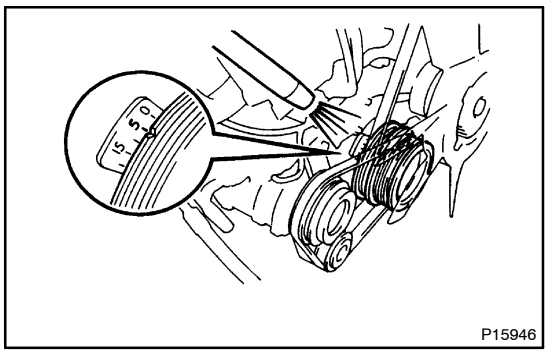


3. INSPECT AND ADJUST IGNITION TIMING

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

HINT:

After engine speed is kept at about 1,000rpm for 5 seconds, check that it returns to idle speed.



(b) With the engine idling as specified, use a timing light to check the ignition timing.
Ignition timing: 5 ± 2° BTDC @ idle

(c) Remove the SST from the check connector.
SST 09843–18020

4. RECHECK IGNITION TIMING

Ignition timing: 5 – 17° BTDC @ idle

HINT:

The timing mark moves in a range between 5° and 17°.

5. DISCONNECT TACHOMETER AND TIMING LIGHT