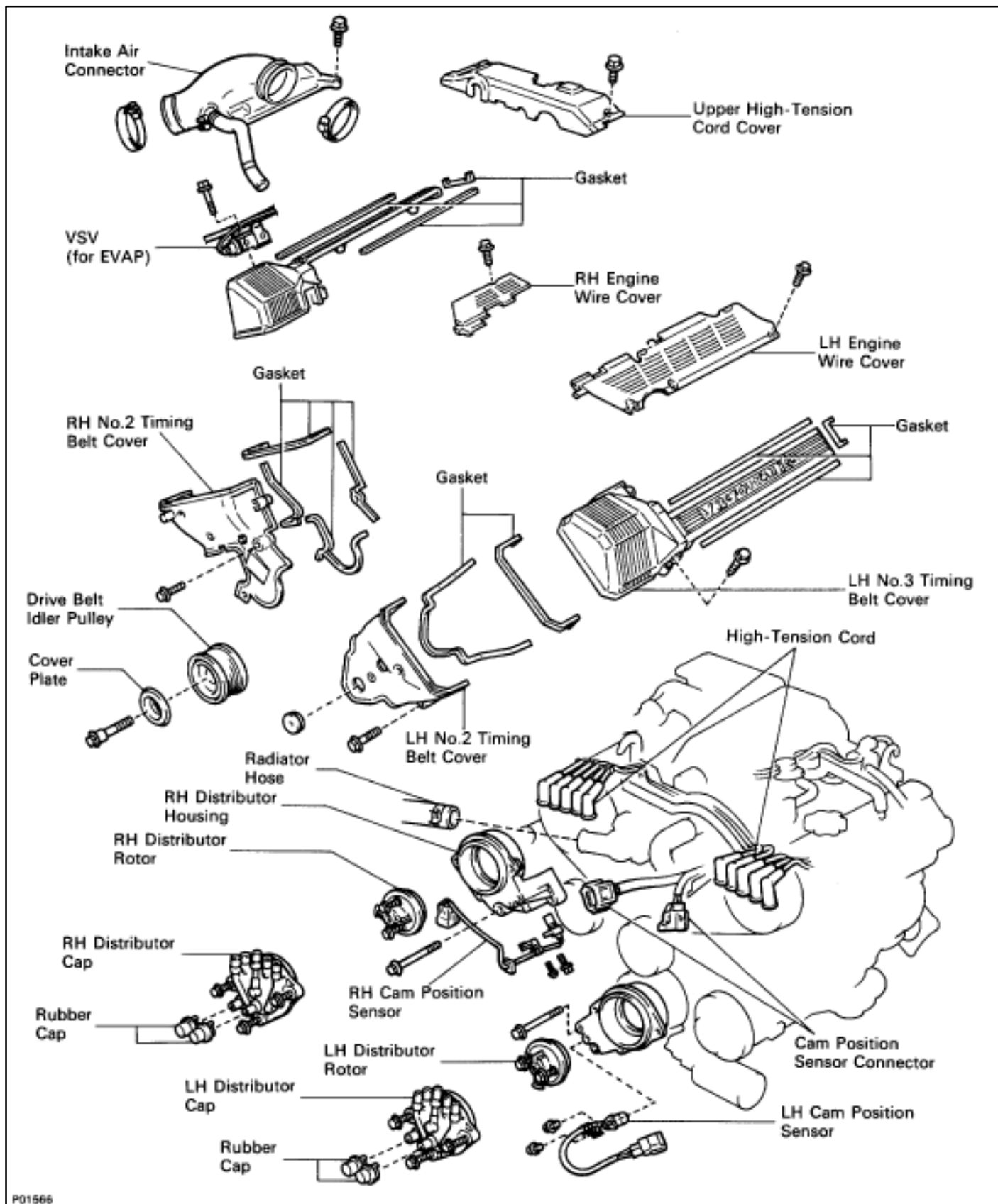


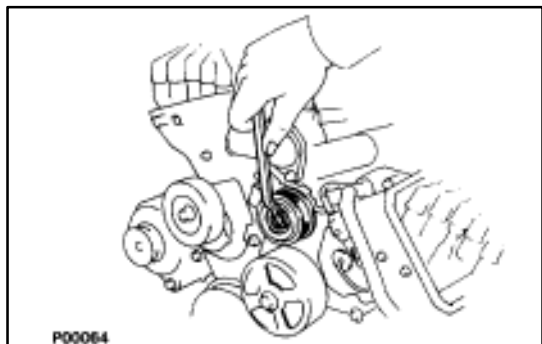
DISTRIBUTOR COMPONENTS FOR REMOVAL AND INSTALLATION



REMOVAL OF DISTRIBUTOR

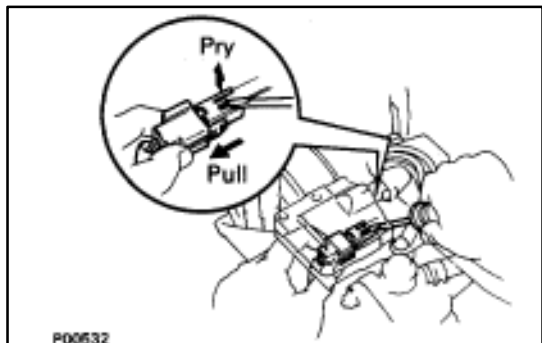
(See Components on page IG-23)

1. DRAIN ENGINE COOLANT (See page CO-6)
2. DISCONNECT RADIATOR HOSE FROM WATER INLET
3. REMOVE NO.3 TIMING BELT COVERS
(See steps 1 to 8 on pages IG-11 to 13)



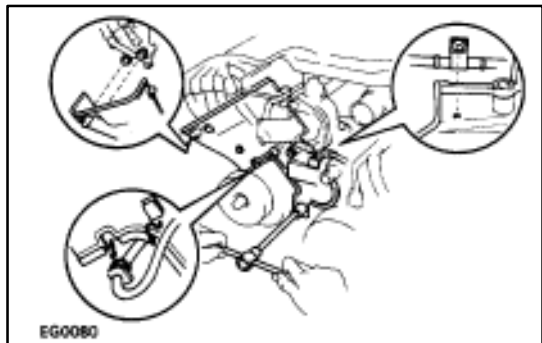
4. REMOVE DRIVE BELT IDLER PULLEY

Remove the pulley bolt, cover plate and idler pulley.

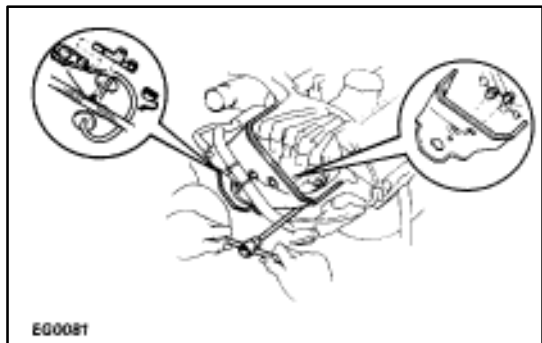


5. REMOVE RH NO.2 TIMING BELT COVER

- (a) Disconnect the cam position sensor connector from the ignition coil bracket.

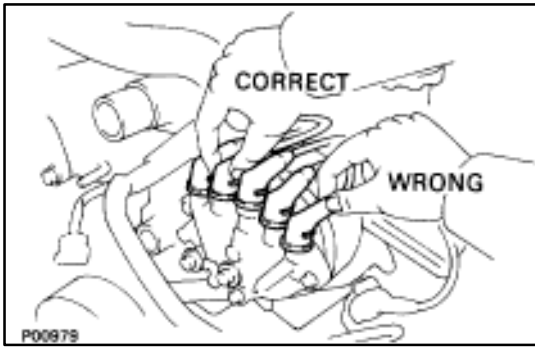


- (b) Disconnect the cam position sensor wire from the clamp on the timing belt cover.
- (c) Remove the five mounting bolts.
- (d) Disconnect the connector grommet from the timing belt cover.
- (e) Disconnect the wire clamp from the timing belt cover, and remove the timing belt cover and four gaskets.



6. REMOVE LH NO.2 TIMING BELT COVER

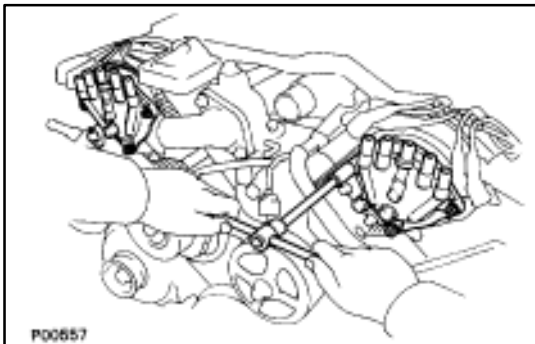
- (a) Disconnect the cam position sensor wire from the clamp on the timing belt cover.
- (b) Disconnect the cam position sensor connector.
- (c) Remove the three mounting bolts.
- (d) Disconnect the connector grommet from the timing belt cover, and remove the timing belt cover and two gaskets.



7. DISCONNECT HIGH-TENSION CORDS FROM DISTRIBUTOR CAPS

Disconnect the high-tension cords at the rubber boot. Do not pull on the cord.

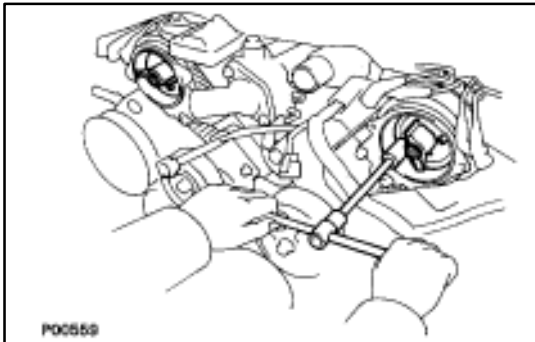
NOTICE: Pulling or bending the cords may damage the conductor inside.



8. REMOVE DISTRIBUTOR CAPS

Loosen the three bolts, and remove the distributor cap. Remove the two distributor caps.

HINT: Arrange the distributor caps (RH side and LH side).



9. REMOVE DISTRIBUTOR ROTORS

Loosen the two bolts, and remove the distributor rotor. Remove the two distributor rotors.

HINT: Arrange the distributor rotors (RH side and LH side).



10. REMOVE DISTRIBUTOR HOUSINGS

(a) (RH Distributor Housing)

Disconnect the cam position sensor connector.

(b) Remove the three bolts and distributor housing.

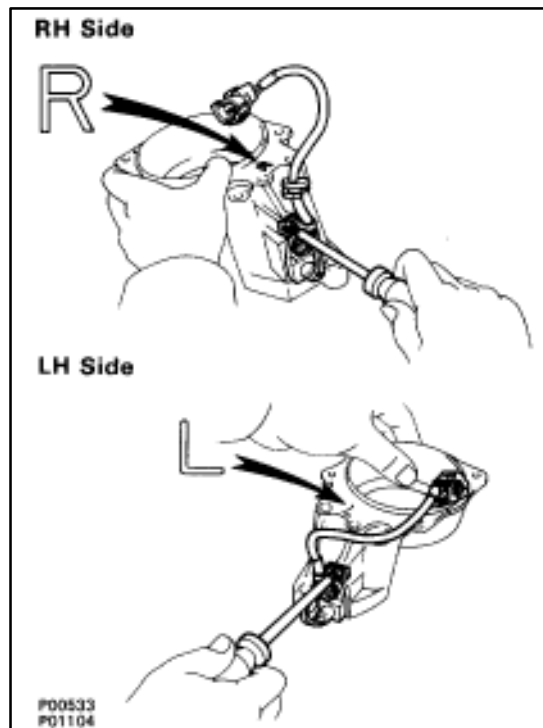
Remove the two distributor housings.

11. REMOVE CAM POSITION SENSORS FROM DISTRIBUTOR HOUSINGS

Remove the bolt, screw and cam position sensor.

Remove the two cam position sensors.





INSTALLATION OF DISTRIBUTOR

(See Components on page IG-23)

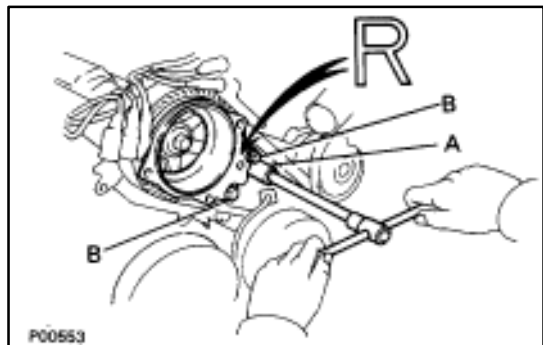
1. INSTALL CAM POSITION SENSORS TO DISTRIBUTOR HOUSINGS

Install the cam position sensor with the bolt and screw. Install the two cam position sensors.

Torque: 6.4 N·m (65 kgf·cm, 56 in.·lbf)

HINT:

- The RH distributor housing is marked with "R".
- The LH distributor housing is marked with "L".



2. INSTALL RH DISTRIBUTOR HOUSING

(a) Install the distributor housing with the three bolts.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

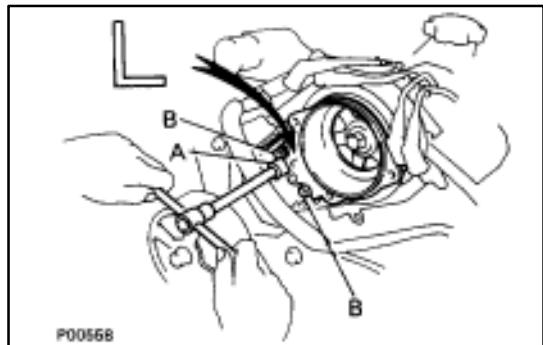
HINT:

- The RH distributor housing is marked with "R".
- Each bolt length is indicated in the illustration.

Bolt length: A 38 mm (1.50 in.)

B 96 mm (3.78 in.)

(b) Connect the cam position sensor connector.



3. INSTALL LH DISTRIBUTOR HOUSING

(a) Install the distributor housing with the three bolts.

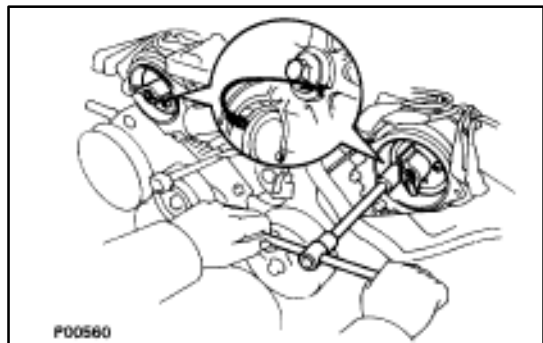
Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

HINT:

- The LH distributor housing is marked with "L".
- Each bolt length is indicated in the illustration.

Bolt length: A 38 mm (1.50 in.)

B 80 mm (3.15 in.)

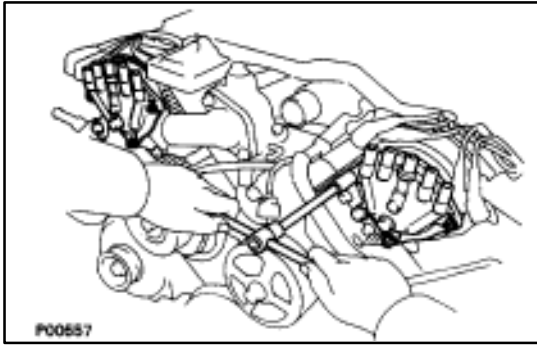


4. INSTALL DISTRIBUTOR ROTORS

(a) Align the protrusion of the distributor rotor with the groove of the camshaft timing pulley.

(b) Install the distributor rotor with the two bolts. Install the two distributor rotors.

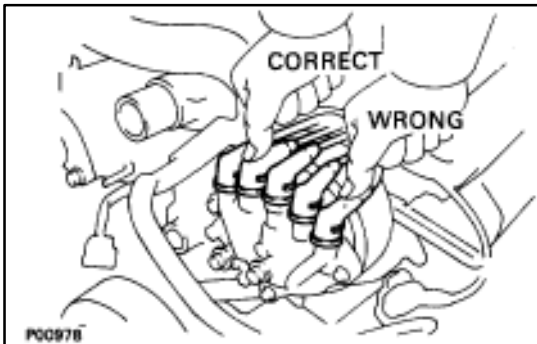
Torque: 3.8 N·m (39 kgf·cm, 34 in.·lbf)



5. INSTALL DISTRIBUTOR CAPS

Install the distributor cap with the three bolts. Install the two distributor caps.

Torque: 3.8 N·m (39 kgf·cm, 34 in·lbf)

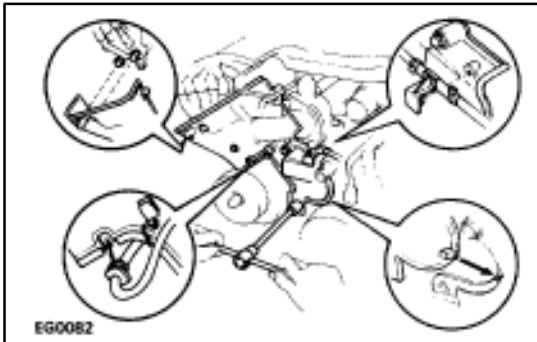


6. CONNECT HIGH-TENSION CORDS TO DISTRIBUTOR CAPS

Connect the ten high-tension cords.

NOTICE: Connect the high-tension cord by pressing on the correct place as shown in the illustration.

If not done this way, the high-tension cord will interfere with the camshaft timing pulley.



7. INSTALL RH NO.2 TIMING BELT COVER

(a) Install the four gaskets to the timing belt cover.

(b) Install the connector grommet to the timing belt cover.

(c) Install the timing belt cover with the five bolts.

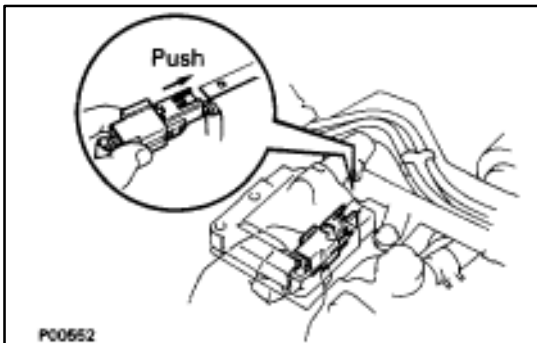
Torque: 16 N·m (160 kgf·cm, 12 ft·lbf)

HINT (12 mm head bolt): Use bolts 106 mm (4.17 in.) in length.

(d) Install the wire clamp to the timing belt cover.

(e) Install the cam position sensor wire to the wire clamp on the timing belt cover.

(f) Install the cam position sensor connector to the ignition coil bracket.



8. INSTALL LH NO.2 TIMING BELT COVER

(a) Install the two gaskets to the timing belt cover.

(b) Run the cam position sensor wire through the timing belt cover hole.

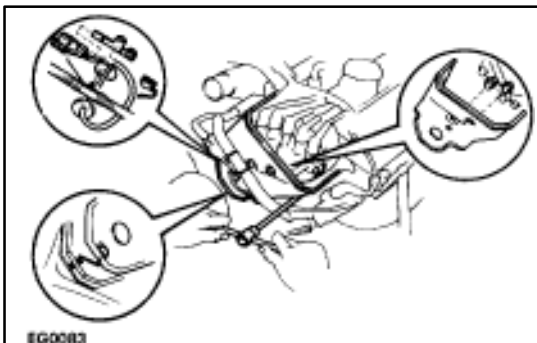
(c) Install the timing belt cover and connector bracket with the three bolts.

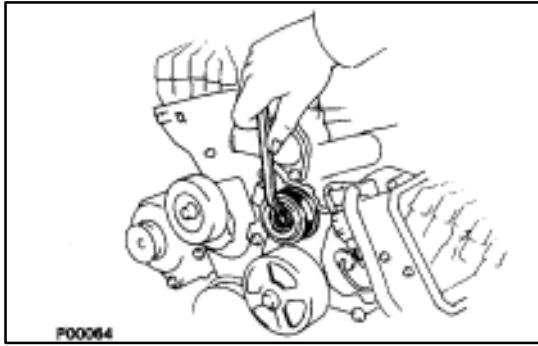
(d) Connect the cam position sensor connector.

(e) Install the cam position sensor connector to the connector bracket.

(f) Install the cam position sensor wire to the wire clamp on the timing belt cover.

(g) Install the connector grommet to the timing belt cover.





9. INSTALL DRIVE BELT IDLER PULLEY

Install the idler pulley and cover plate with the pulley bolt.
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)

10. INSTALL NO.3 TIMING BELT COVERS

(See steps 5 to 9 and 11 on pages IG-17 to 19)

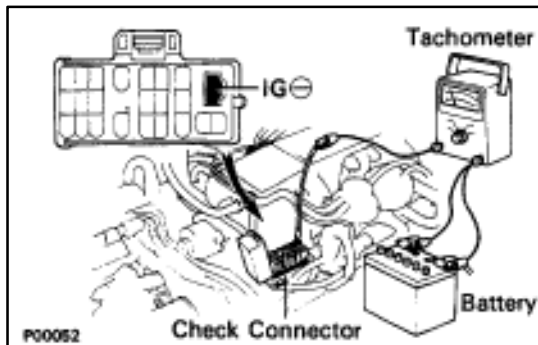
11. CONNECT RADIATOR HOSE TO WATER INLET

12. CONNECT CABLE TO NEGATIVE TERMINAL OF BATTERY

13. FILL ENGINE WITH COOLANT (See page CO-6)

14. WARM UP ENGINE

Allow the engine to warm up to normal operating temperature.



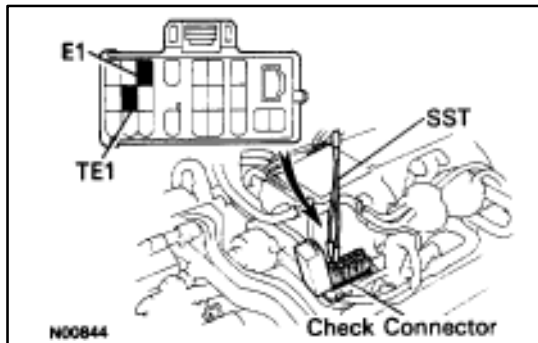
15. CONNECT TACHOMETER

Connect the tester probe of a tachometer to terminal IG \ominus of the check ("DIAGNOSIS") connector.

HINT: Set the tachometer to the 4-cylinder range.

NOTICE:

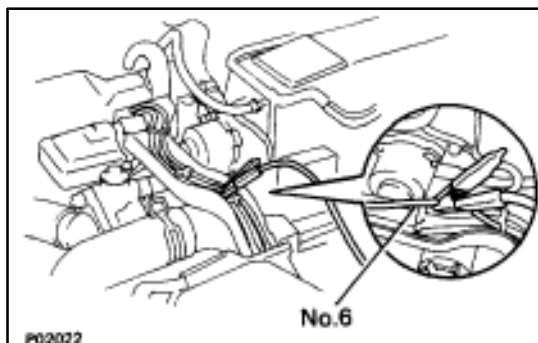
- Never allow the tachometer tester probe to touch ground as it could result in damage to the igniter and/or ignition coil.
- As some tachometers are not compatible with this ignition system, we recommend that you confirm the compatibility of your unit before use.



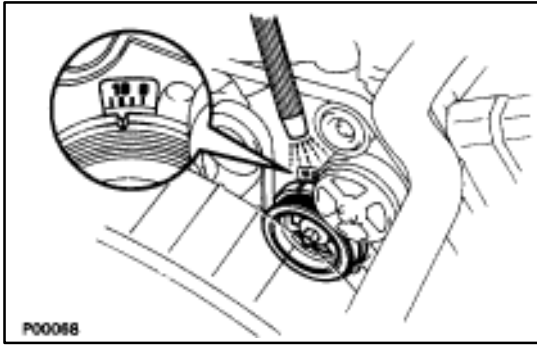
16. CHECK IGNITION TIMING

- (a) Using SST, connect terminals TE1 and E1 of the check ("DIAGNOSIS") connector.

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- (b) Connect the tester probe of a timing light to the high-tension cord for No.6 cylinder.



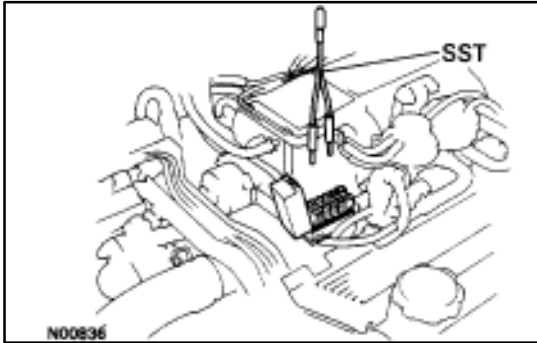
(c) Check the ignition timing.

Ignition timing: 8–12° BTDC @ idle

(Transmission in neutral range)

If the ignition timing is not as specified, check that following conditions are normal:

- Throttle valve fully closed
- Continuity between terminals IDL1 and E2 of the throttle position sensor (See page [FI-73](#))
- Valve timing (See page [EM-51](#))



(e) Remove the SST from the check connector.

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17. DISCONNECT TACHOMETER AND TIMING LIGHT FROM ENGINE

18. INSTALL UPPER HIGH-TENSION CORD COVER
(See step 10 on pages [IG-18](#) and 19)