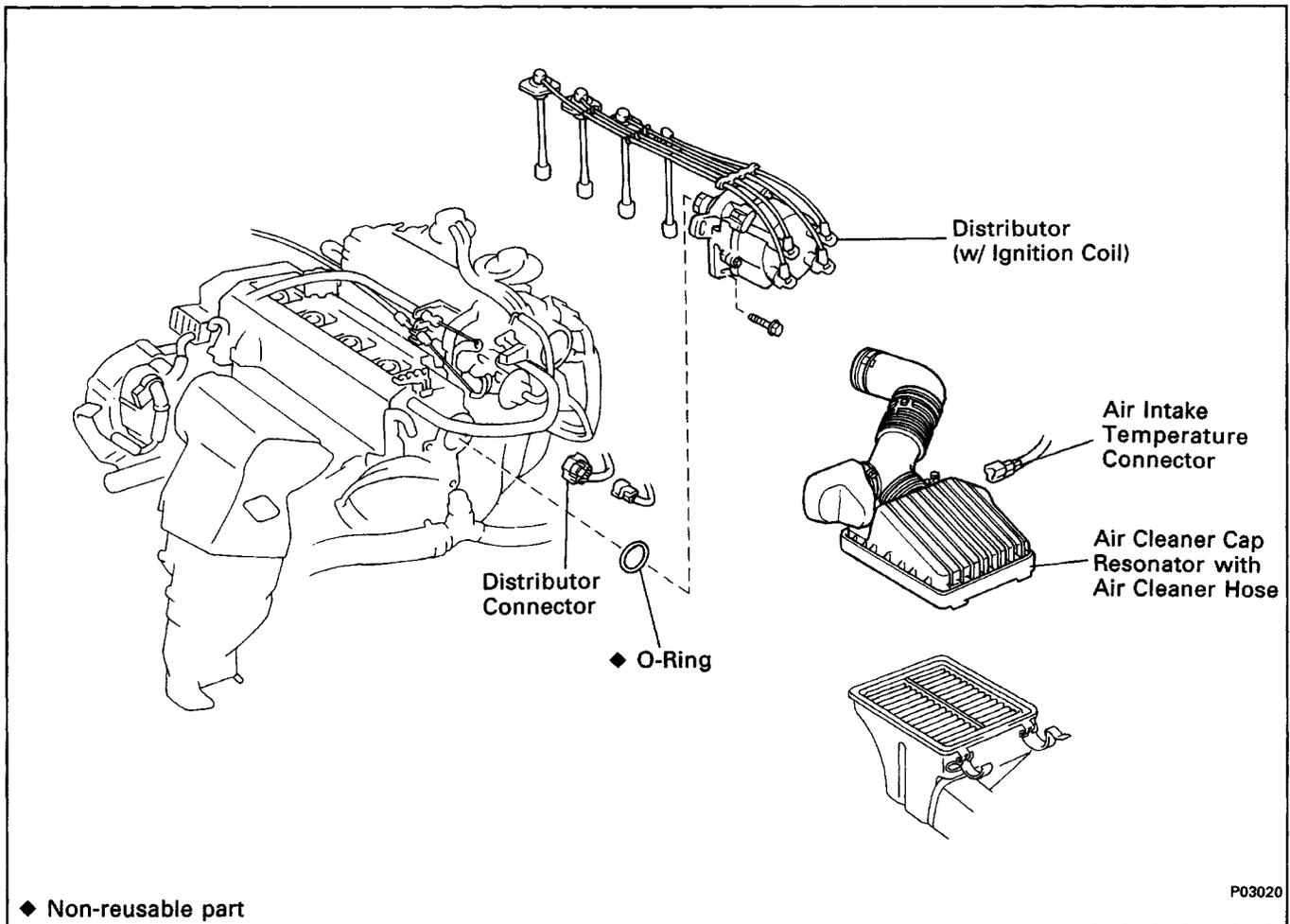


## DISTRIBUTOR (5S-FE) REMOVAL OF DISTRIBUTOR

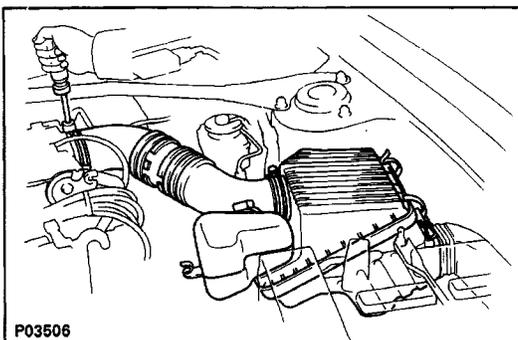


### 1. DISCONNECT CABLE FROM NEGATIVE TERMINAL OF BATTERY

**CAUTION:** Work must be started after approx. 20 seconds or longer from the time the ignition switch is turned to the "LOCK" position and the negative (-) terminal cable is disconnected from the battery.

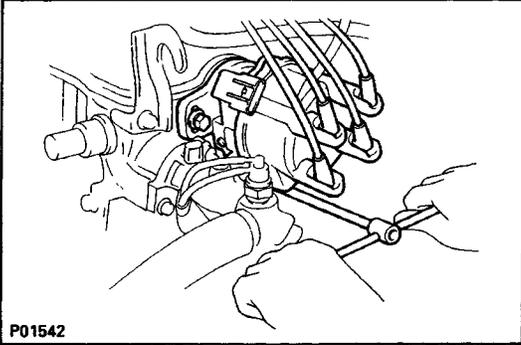
### 2. REMOVE AIR CLEANER CAP, RESONATOR AND AIR CLEANER HOSE

- Disconnect the air intake temperature sensor connector.
- Disconnect the cruise control actuator cable from the clamp on the resonator.
- Loosen the air cleaner hose clamp bolt.
- Disconnect the four air cleaner cap clips.
- Disconnect the air cleaner hose from the throttle body, and remove the air cleaner cap together with the resonator and air cleaner hose.



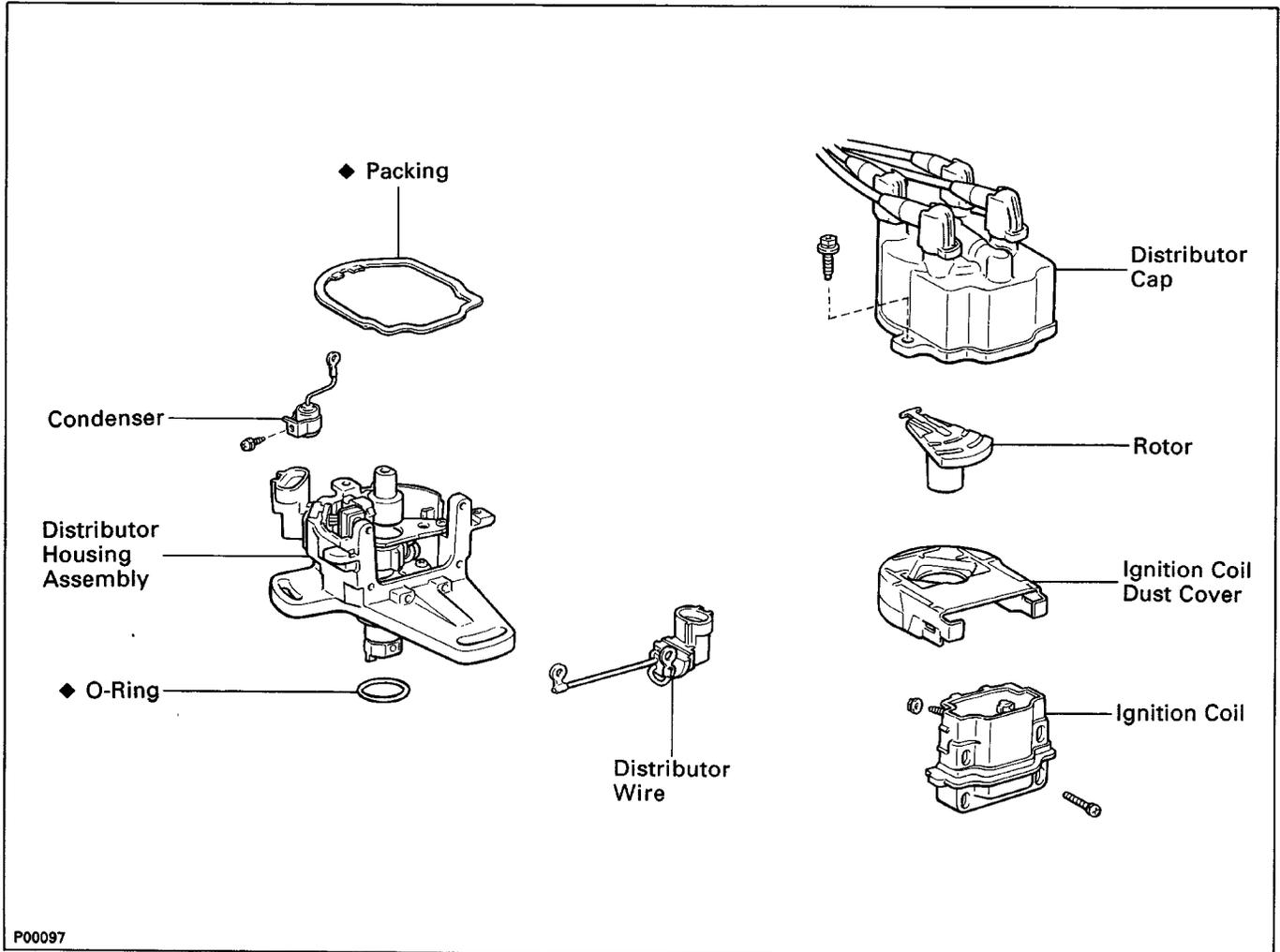
**3. DISCONNECT DISTRIBUTOR CONNECTORS****4. DISCONNECT HIGH-TENSION CORDS FROM SPARK PLUGS**

- (a) Disconnect the four high-tension cords from the spark plugs.
- (b) Disconnect the high-tension cords from the clamp on the cylinder head cover.

**5. REMOVE DISTRIBUTOR**

- (a) Remove the two hold-down bolts, and pull out the distributor.
- (b) Remove the O-ring from the distributor housing.

## COMPONENTS

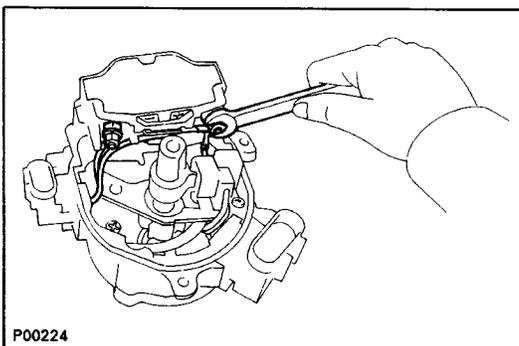


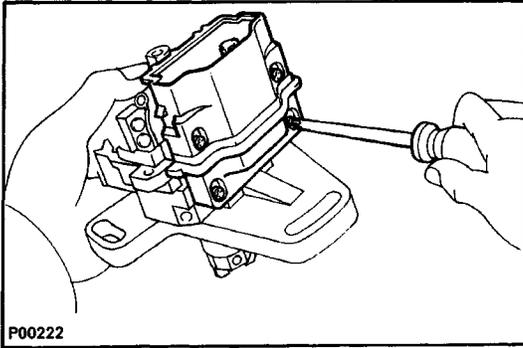
### DISASSEMBLY OF DISTRIBUTOR

1. REMOVE DISTRIBUTOR CAP WITHOUT DISCONNECTING HIGH-TENSION CORDS
2. REMOVE ROTOR
3. REMOVE IGNITION COIL DUST COVER

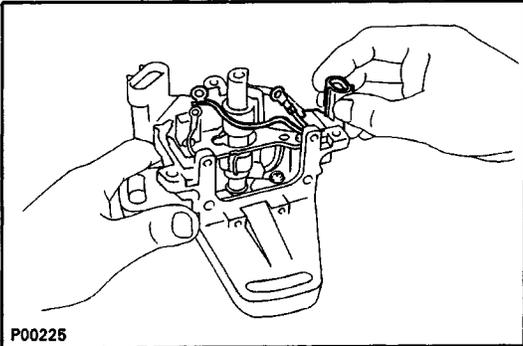
### 4. REMOVE IGNITION COIL

- (a) Remove the two nuts, and disconnect the three wires from the ignition coil terminals.



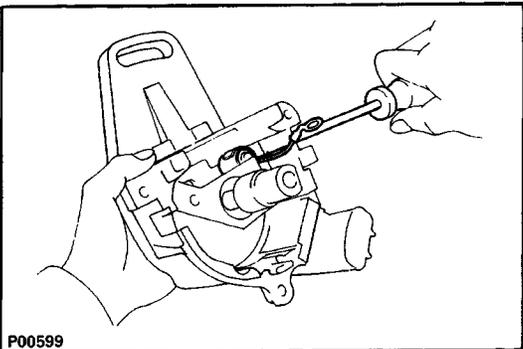


(b) Remove the four screws and ignition coil.



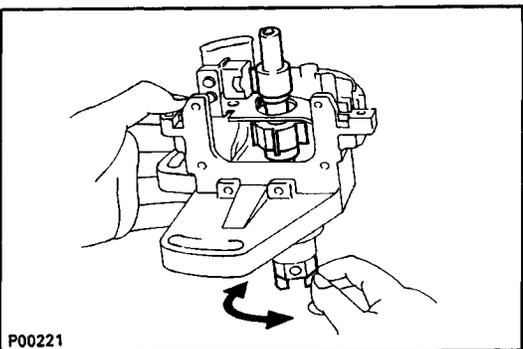
### 5. REMOVE DISTRIBUTOR WIRE

Remove the distributor wire from the distributor housing.



### 6. REMOVE CONDENSER

Remove the screw and condenser.



## DISTRIBUTOR INSPECTION

### INSPECT SHAFT

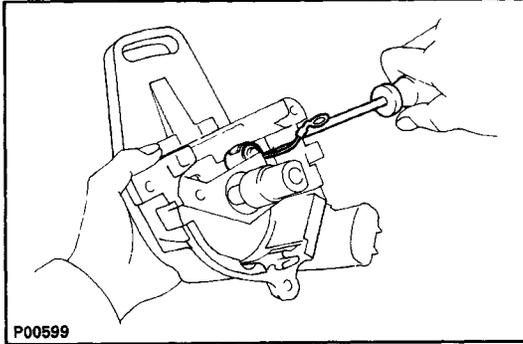
Turn the shaft and check that it is not rough or worn. If it feels rough or worn, replace the distributor housing assembly.

## DISTRIBUTOR ASSEMBLY

(See page IG-32)

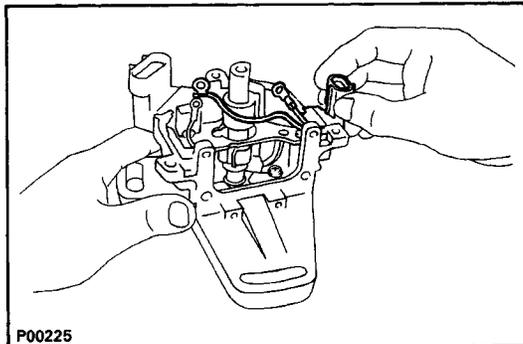
### 1. INSTALL CONDENSER

Install the condenser with the screw.



### 2. INSTALL DISTRIBUTOR WIRE

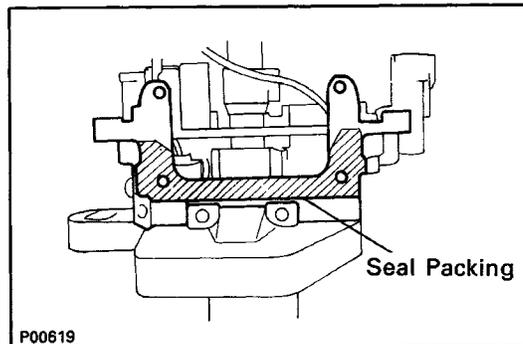
Install the grommet of the wire to the distributor housing.



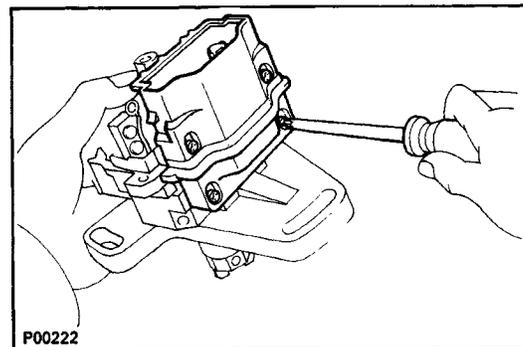
### 3. INSTALL IGNITION COIL

- (a) Remove any oil packing (FIPG) material.
- (b) Apply seal packing to the ignition coil installing surface of the housing as shown in the illustration.

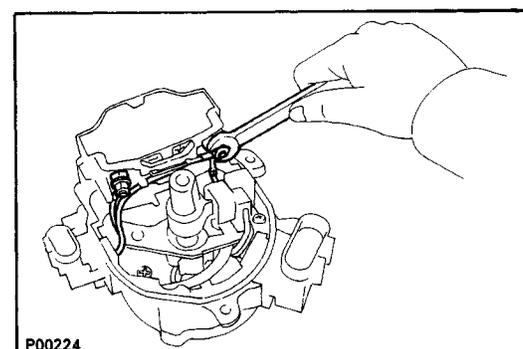
**Seal packing: Part No. 08826-00080 or equivalent**

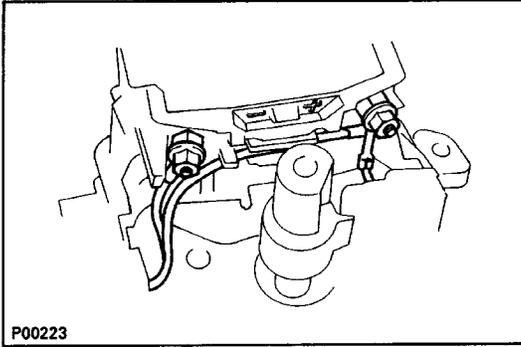


- (c) Install the ignition coil with the four screws.

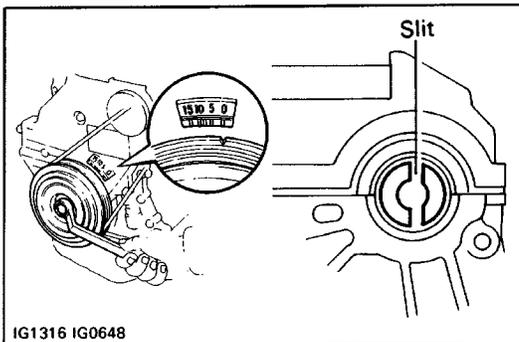


- (d) Connect the three wires to the ignition coil terminals with the two nuts.

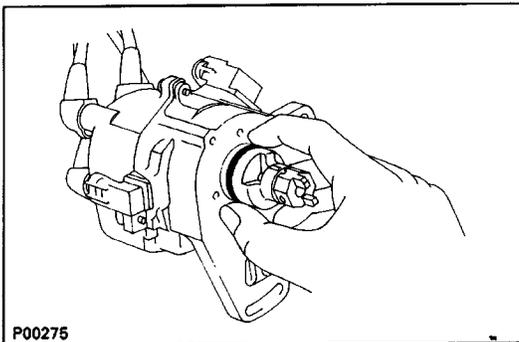


**NOTICE:**

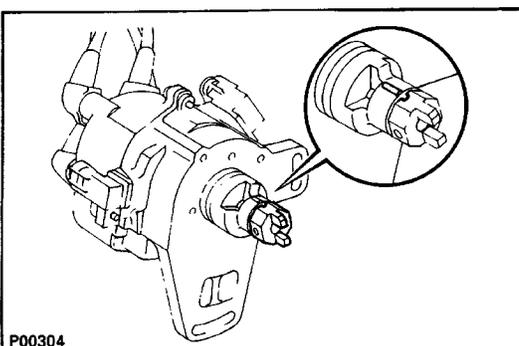
- When connecting the wires to the ignition coil, insert both properly into their grooves found on the side of the ignition coil.
- Be sure the wires do not contact with signal rotor or distributor housing.

**4. INSTALL IGNITION COIL DUST COVER****5. INSTALL ROTOR****6. INSTALL DISTRIBUTOR CAP AND HIGH-TENSION CORDS****INSTALLATION OF DISTRIBUTOR**(See page [IG-30](#))**1. SET NO.1 CYLINDER TO TDC/COMPRESSION**

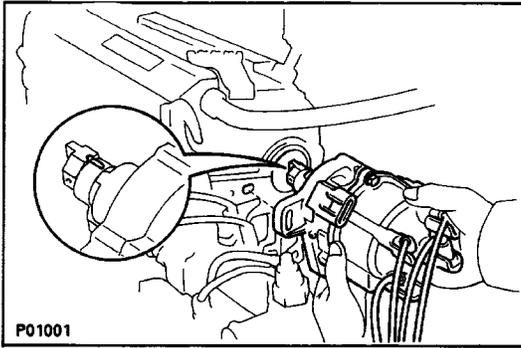
Turn the crankshaft clockwise, and position the slit of the intake camshaft as shown.

**2. INSTALL DISTRIBUTOR**

- Install a new O-ring to the housing.
- Apply a light coat of engine oil on the O-ring.



- Align the cutout portion of the coupling with the groove of the housing.

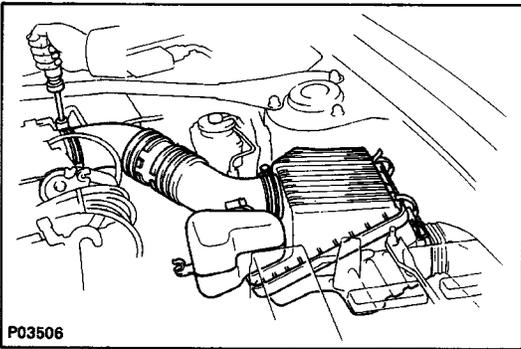


- (d) Insert the distributor, aligning the center of the flange with that of the bolt hole on the cylinder head.
- (e) Lightly tighten the hold-down bolts.
- (f) Install the high-tension cord clamp to the rear engine hanger.

### 3. CONNECT HIGH-TENSION CORDS TO SPARK PLUGS

Firing order: 1 - 3 - 4 - 2

### 4. CONNECT DISTRIBUTOR CONNECTORS



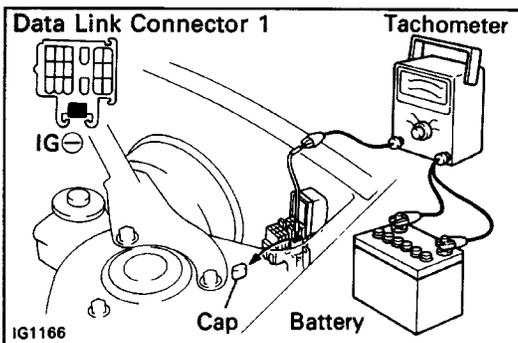
### 5. INSTALL AIR CLEANER CAP, RESONATOR AND AIR CLEANER HOSE

- (a) Connect the air cleaner hose to the throttle body.
- (b) Install the air cleaner cap together with the resonator and air cleaner hose.
- (c) Connect the air intake temperature sensor connector.
- (d) Connect the cruise control actuator cable to the clamp on the resonator.

### 6. CONNECT CABLE TO NEGATIVE TERMINAL OF BATTERY

### 7. WARM UP ENGINE

Allow the engine to warm up to normal operating temperature.

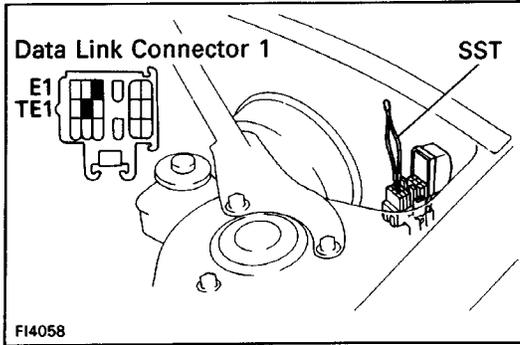


### 8. CONNECT TACHOMETER

Connect the test probe of a tachometer to terminal IG (-) of the data link connector 1.

#### 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.

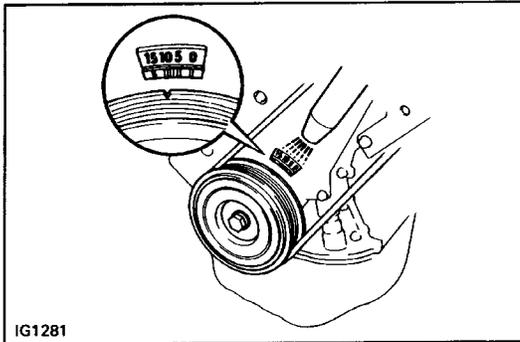


**9. ADJUST IGNITION TIMING**

(a) Using SST, connect terminals TE1 and E1 of the data link connector 1.

SST 09843-18020

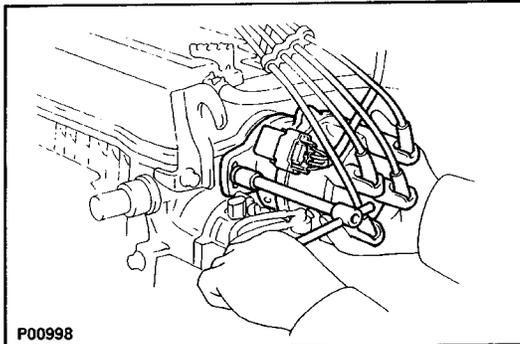
HINT: After engine rpm are kept at 1,000 – 1,300 rpm for 5 seconds, check that they return to idle speed.



(b) Using a timing light, check the ignition timing.

**Ignition timing: 10° BTDC @ idle**

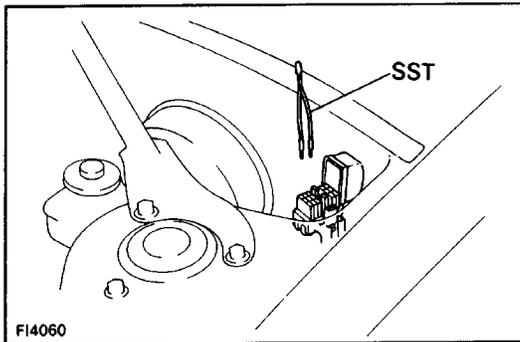
**(Transmission in neutral position)**



(c) Loosen the hold-down bolts, and adjust by turning the distributor.

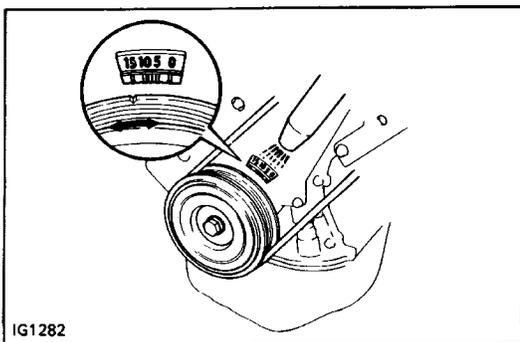
(d) Tighten the hold-down bolts, and recheck the ignition timing.

**Torque: 19 N-m (195 kgf-cm, 14 ft-lbf)**



(e) Remove the SST.

SST 09843-18020



**10. FURTHER CHECK IGNITION TIMING**

**Ignition timing: 13 – 22° BTDC @ idle**

**(Transmission in neutral position)**

HINT: The timing mark moves in a position between 13° and 22°.

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