

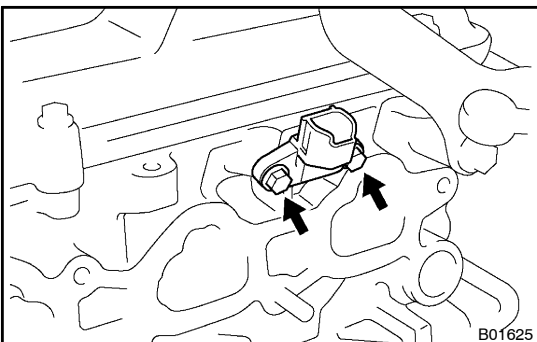
## REMOVAL

1. DRAIN ENGINE COOLANT
2. REMOVE OIL DIPSTICK AND GUIDE FOR ENGINE  
(See page EM-64)
3. REMOVE OIL DIPSTICK AND GUIDE FOR A/T  
(See page EM-64)
4. REMOVE AIR INTAKE CHAMBER (See page FI-46)
5. REMOVE VACUUM CONTROL VALVE SET AND NO.2 VACUUM PIPE (See page EM-34)
6. REMOVE NO.3 TIMING BELT COVER
7. DISCONNECT HOSES AND ENGINE WIRE
  - (a) Disconnect the air assist hose from the intake manifold.
  - (b) Disconnect the water bypass hose (from the water outlet) from the throttle body.
  - (c) Disconnect the 2 ground terminals from the intake manifold.

### HINT:

At time of the installation, place refer to the following item. Tighten so that each clacking part should inside.

- (d) Disconnect the throttle position sensor connector.
  - (e) Disconnect the 6 injector connectors.
  - (f) Disconnect the camshaft position sensor connector.
  - (g) Disconnect the knock sensor 2 connector.
  - (h) Disconnect the starter connector.
  - (i) Disconnect the engine wire clamp from the clamp bracket on the intake manifold.
  - (j) Remove the 3 nuts, and disconnect the engine wire protector from the intake manifold.
8. REMOVE FUEL PRESSURE PULSATION DAMPER  
(See page FI-26)
  9. REMOVE PS PUMP REAR STAY  
Torque: 39.2 N·m (400 kgf·cm, 29 ft·lbf)
  10. REMOVE INTAKE MANIFOLD ASSEMBLY  
(See page EM-53)



### 11. REMOVE CAMSHAFT POSITION SENSOR

Remove the 2 bolts and camshaft position sensor.

**Torque: 9.0 N·m (90 kgf·cm, 80 in·lbf)**