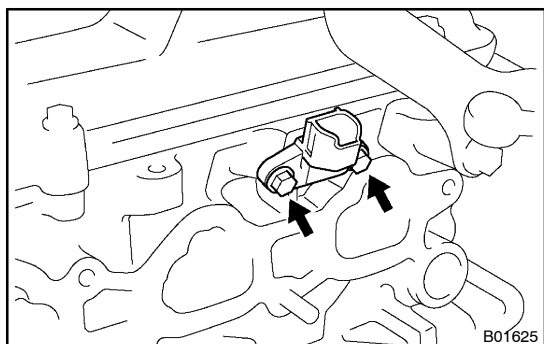


## REMOVAL

1. DRAIN ENGINE COOLANT
2. REMOVE OIL DIPSTICK AND GUIDE FOR ENGINE  
(See page LU-6)
3. REMOVE OIL DIPSTICK AND GUIDE FOR A/T  
(See page EM-61)
4. REMOVE AIR INTAKE CHAMBER (See page FI-45)
5. REMOVE VACUUM CONTROL VALVE SET AND NO.2 VACUUM PIPE (See page EM-33)
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 clamping part should inside.
- (d) Disconnect these connectors:
  - Throttle position sensor connector
  - 6 injector connectors
  - Camshaft position sensor connector
  - Knock sensor 2 connector
  - Starter connector
- (e) Disconnect the engine wire clamp from the clamp bracket on the intake manifold.
- (f) 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-33)



### 11. REMOVE CAMSHAFT POSITION SENSOR

Remove the 2 bolts and camshaft position sensor.

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