

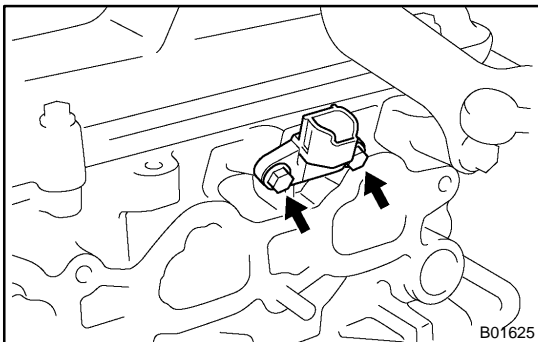
REMOVAL

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-65](#))
4. REMOVE AIR INTAKE CHAMBER (See page [SF-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, tighten so that each calking 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 [SF-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-34](#))



11. REMOVE CAMSHAFT POSITION SENSOR

Remove the 2 bolts and sensor.

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