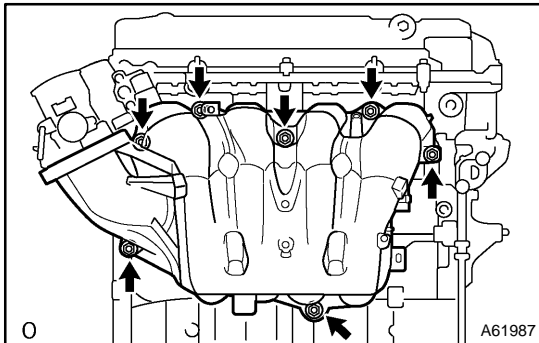


# KNOCK SENSOR (2AZ-FE)

## REPLACEMENT

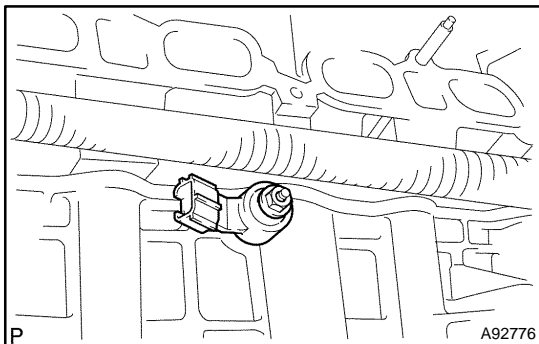
100IP-03

1. DRAIN ENGINE COOLANT (See page 16-6 )
2. REMOVE AIR CLEANER CAP WITH AIR CLEANER HOSE (See page 14-24 )
3. REMOVE THROTTLE BODY ASSY (See page 10-6 )



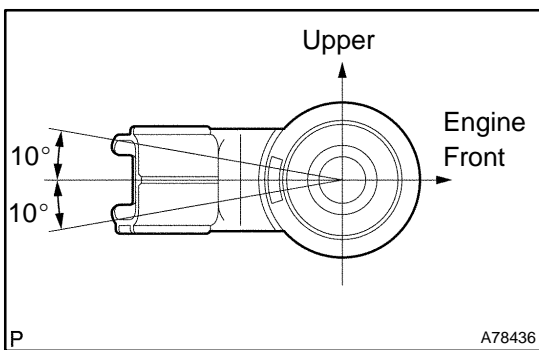
### 4. REMOVE INTAKE MANIFOLD

- (a) Remove the 5 bolts, 2 nuts, intake manifold and gasket.



### 5. REMOVE KNOCK SENSOR

- (a) Disconnect the sensor connector.
- (b) Remove the nut and sensor.



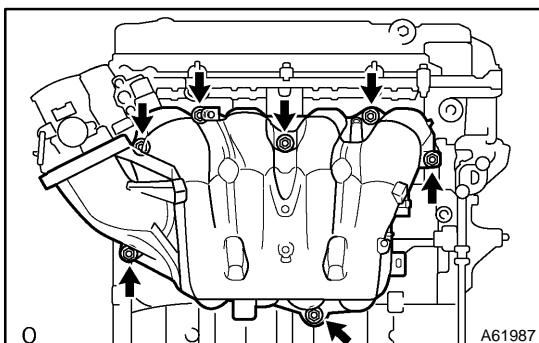
### 6. INSTALL KNOCK SENSOR

- (a) Install the sensor with the nut.

**Torque: 20 N·m (199 kgf·cm, 14 ft·lbf)**

HINT: Angling the knock sensor below the horizontal (below 0°) is recommended.

- (b) Connect the sensor connector.



### 7. INSTALL INTAKE MANIFOLD

- (a) Install a new gasket and the intake manifold with the 5 bolts and 2 nuts.

**Torque: 30 N·m (305 kgf·cm, 22 ft·lbf)**

8. **INSTALL THROTTLE BODY ASSY (See page 10-6 )**
9. **INSTALL AIR CLEANER CAP WITH AIR CLEANER HOSE (See page 14-24 )**
10. **ADD ENGINE COOLANT (See page 16-6 )**
11. **CHECK FOR ENGINE COOLANT LEAKS (See page 16-1 )**