

## INSTALLATION

### 1. INSTALL WATER PUMP

Install a new gasket and the water pump with the 6 bolts.

**Torque:**

**9.0 N·m (90 kgf·cm, 78 in·lbf) for 10 mm head**

**18.5 N·m (185 kgf·cm, 13 ft·lbf) for 12 mm head**

**HINT:**

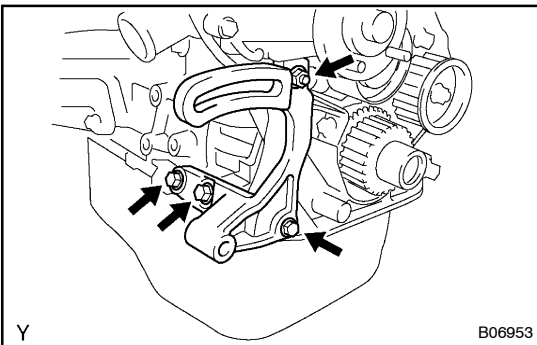
Each bolt length is indicated in the illustration.

**Bolt length:**

20 mm (0.79 in.) for A

25 mm (0.98 in.) for B

45 mm (1.77 in.) for C



### 2. INSTALL PS VANE PUMP BRACKET

(a) Remove the pump bracket with the 3 bolts and nut.

**Torque:**

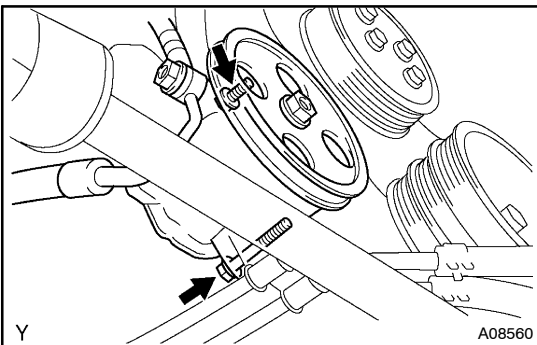
**19 N·m (195 kgf·cm, 14 ft·lbf) for 12 mm head**

**39 N·m (400 kgf·cm, 29 ft·lbf) for 14 mm head**

(b) A/T:

Connect the oil cooler pipes for A/T to the pump bracket with the bolt and pipe clamp.

### 3. INSTALL TIMING BELT (See page EM-26)



### 4. INSTALL PS VANE PUMP

**Torque:**

**58 N·m (590 kgf·cm, 43 ft·lbf) for pivot bolt**

**39 N·m (400 kgf·cm, 29 ft·lbf) for adjusting lock bolt**

### 5. FILL WITH ENGINE COOLANT

### 6. START ENGINE AND CHECK FOR COOLANT LEAK