

## INSTALLATION

### 1. INSTALL WATER PUMP

- (a) Temporarily install a new gasket and the water pump with the 5 bolts.
- (b) w/ Turbo:  
Connect the turbo water pipe to the water bypass hose.
- (c) w/ Turbo:  
Temporarily install the turbo water pipe with the 2 nuts.
- (d) w/o Turbo:  
Temporarily install the 2 nuts.
- (e) Temporarily install the alternator with the 3 bolts.
- (f) Uniformly tighten the 7 bolts and 2 nuts holding the water pump to the cylinder block.

#### Torque:

**19.6 N·m (200 kgf·cm, 14 ft·lbf) for 12 mm head**

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

### 2. 1HD-FTE:

#### INSTALL NO.2 CYLINDER BLOCK INSULATOR

### 3. INSTALL CAMSHAFT OIL SEAL RETAINER

(1HZ and 1HD-T: [See page EM-31](#))

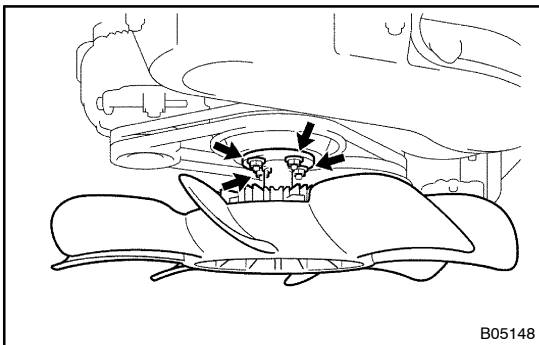
(1HD-FTE: [See page EM-31](#))

### 4. INSTALL NO.1 CAMSHAFT TIMING PULLEY

([See page EM-31](#))

### 5. INSTALL IDLER PULLEY ([See page EM-31](#))

### 6. INSTALL TIMING BELT ([See page EM-31](#))



### 7. INSTALL WATER PUMP PULLEY, FLUID COUPLING FAN AND DRIVE BELTS

- (a) Install the fan to the fluid coupling with 4 new nuts.

**Torque: 6.4 N·m (65 kgf·cm, 57 in·lbf)**

- (b) Temporarily install the pump pulley, the fan with fluid coupling with the 4 nuts.

- (c) Install and adjust the drive belt. ([See page CH-2](#))

- (d) tighten the 4 water pump pulley nuts.

**Torque: 19.6 N·m (200 kgf·cm, 14 ft·lbf)**

### 8. FILL WITH ENGINE COOLANT

### 9. START ENGINE, AND CHECK FOR COOLANT LEAKS