

## DISASSEMBLY

### NOTICE:

When using a vise, do not overtighten it.

#### 1. MEASURE PS VANE PUMP ROTATING TORQUE

- (a) Check that the pump rotates smoothly without abnormal noise.
- (b) Using a torque wrench, check the pump rotating torque.

**Rotating torque:**

**0.25 N·m (2.5 kgf·cm, 2.2 in.·lbf) or less**

#### 2. REMOVE VANE PUMP PULLEY

Using SST, stop the pulley rotating and remove the pulley set nut.

SST 09960-10010 (09962-01000, 09963-01000)

#### 3. REMOVE OIL RESERVOIR

- (a) Remove the 3 bolts and oil reservoir.
- (b) Remove the O-ring from the oil reservoir.

#### 4. REMOVE PRESSURE PORT UNION, FLOW CONTROL VALVE AND SPRING

- (a) Remove the pressure port union, flow control valve and spring.
- (b) Remove the O-ring from the pressure port union.

#### 5. REMOVE REAR HOUSING

- (a) Remove the 2 bolts and rear housing.
- (b) Remove the 2 O-rings from the rear housing.

#### 6. REMOVE WAVE WASHER

#### 7. REMOVE SIDE PLATE

#### 8. REMOVE CAM RING, 10 VANE PLATES AND VANE PUMP ROTOR

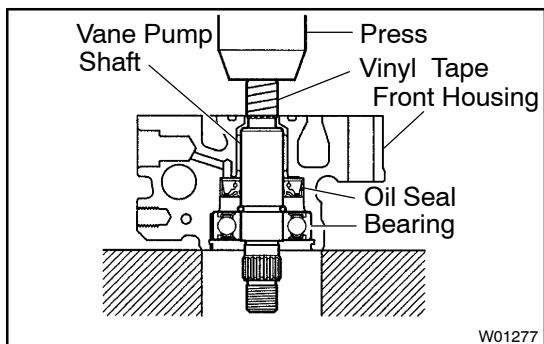
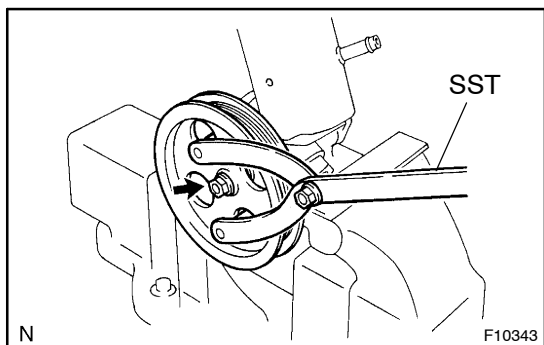
### NOTICE:

Be careful not to drop the vane plate.

#### 9. REMOVE 2 STRAIGHT PINS

Remove the 2 straight pins from the front housing.

#### 10. REMOVE GASKET



#### 11. REMOVE VANE PUMP SHAFT WITH BEARING

- (a) Using snap ring pliers, remove the snap ring from the front housing.
- (b) To prevent oil seal lip damage, wind vinyl tape on the serrated part of the vane pump shaft.
- (c) Using a press, press out the vane pump shaft with the bearing.

### NOTICE:

Be careful not to damage the oil seal lip.