



## 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:

**0.27 N·m (2.8 kgf·cm, 2.4 in.-lbf) or less**

2. **REMOVE OIL RESERVOIR**
  - (a) Remove the 3 bolts and oil reservoir.
  - (b) Remove the O-ring from the oil reservoir.
3. **REMOVE HEAT INSULATOR AND REAR STAY**  
Remove the bolt, heat insulator and rear stay.
4. **REMOVE FRONT AND REAR BRACKETS**  
Remove the 2 bolts, front and rear brackets.
5. **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.
6. **REMOVE OIL PRESSURE SENSOR**
  - (a) Remove the oil pressure sensor.
  - (b) Remove the O-ring from the oil pressure sensor.
7. **REMOVE REAR HOUSING**
  - (a) Remove the 4 bolts and rear housing.
  - (b) Remove the O-ring from the rear housing.
8. **REMOVE CAM RING, 10 VANE PLATES, VANE PUMP ROTOR AND SIDE PLATE**
  - (a) Remove the cam ring and 10 vane plates.

### NOTICE:

Take care not to drop the vane plate.

- (b) Using a screwdriver, remove the snap ring, vane pump rotor and side plate.
- (c) Remove the 2 O-rings from the side plate.
9. **REMOVE VANE PUMP SHAFT WITH VANE PUMP PULLEY**