



DISASSEMBLY

NOTICE:

When using a vise, do not overtighten it.

1. MEASURE PS VANE PUMP ROTATING TORQUE

- Check that the pump rotates smoothly without abnormal noise.
- Temporarily install the bolt.
- Using a torque wrench, check the pump rotating torque.

Rotating torque:

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

2. REMOVE SUCTION PORT UNION

- Remove the bolt and suction port union.
- Remove the O-ring from the union.

3. REMOVE PRESSURE PORT UNION, FLOW CONTROL VALVE AND SPRING

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

4. REMOVE REAR HOUSING

- Remove the 4 bolts and rear housing.

HINT:

If the wave washer and side plate are stuck to the rear housing, lightly tap the rear housing with a plastic hammer, and remove the wave washer and side plate.

- Remove the 2 O-rings from the rear housing.

5. REMOVE WAVE WASHER

6. REMOVE SIDE PLATE

7. REMOVE GASKET

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

- Using a screwdriver, remove the snap ring from the vane pump shaft.
- Remove the cam ring, 10 vane plates and vane pump rotor.

NOTICE:

Be careful not to drop the plates.

9. REMOVE VANE PUMP SHAFT WITH VANE PUMP PULLEY

10. REMOVE STRAIGHT PINS

Remove the 2 pins from the front housing.