

DISASSEMBLY

NOTICE:

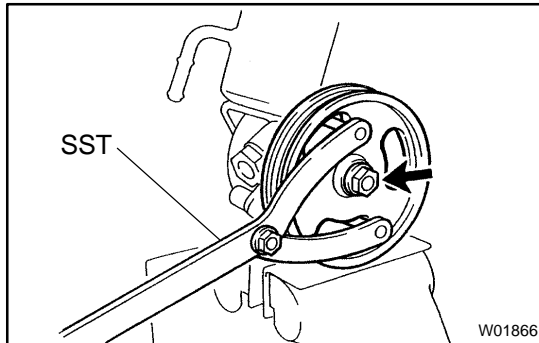
When using a vise, do not overtighten it.

1. MEASURE PS VANE PUMP ROTATING TORQUE

- Check that the pump rotates smoothly without abnormal noise.
- 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 VANE PUMP PULLEY

- Using SST to stop the pulley rotating, loosen the nut.
SST 09960-10010 (09962-01000, 09963-01000)
- Remove the nut and vane pump pulley from the vane pump shaft.

3. REMOVE OIL RESERVOIR

- Remove the 3 bolts and oil reservoir.
- Remove the O-ring from the oil reservoir.

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

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

5. REMOVE BRACKET

Remove the 2 bolts and bracket.

6. REMOVE REAR HOUSING

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

7. REMOVE WAVE WASHER

8. REMOVE SIDE PLATE

9. REMOVE GASKET

10. REMOVE CAM RING, 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:

Take care not to drop the vane plate.

11. REMOVE VANE PUMP SHAFT

12. REMOVE STRAIGHT PINS

Remove the 2 straight pins from the front housing.