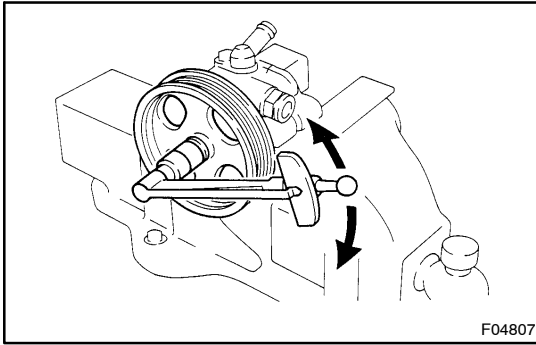




DISASSEMBLY

NOTICE:

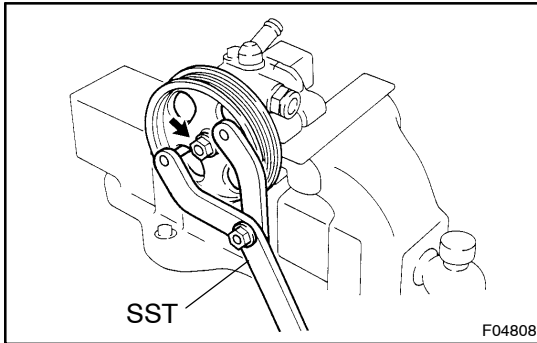
When using a vise, do not overtighten it.

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:

0.28 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 SUCTION PORT UNION

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

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 union.

5. 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.

6. REMOVE WAVE WASHER

7. REMOVE SIDE PLATE

8. REMOVE GASKET

9. 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 plate.

10. REMOVE VANE PUMP SHAFT

11. REMOVE STRAIGHT PINS

Remove the 2 pins from the front housing.