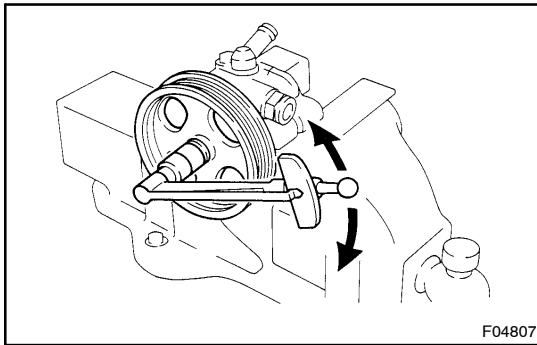




DISASSEMBLY

NOTICE:

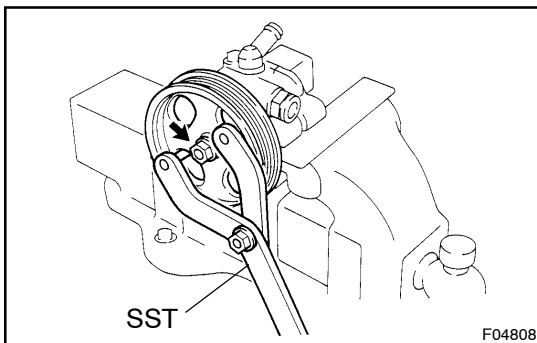
When using a vise, do not overtighten it.

1. MEASURE PS VANE PUMP ROTATING TORQUE

- Check that the pump rotates smoothly without abnormal noise.
- Temporarily install the vane pump pulley set nut.
- 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, remove the pulley set nut.
SST 09960-10010 (09962-01000, 09963-01000)

3. REMOVE SUCTION PORT UNION

- Remove the bolt.
- Remove the O-ring from the union.

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

Remove the O-ring from the union.

5. REMOVE REAR HOUSING

- Remove the 4 bolts.

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 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.

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.