

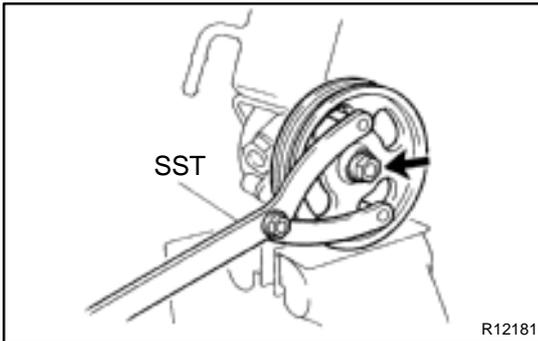
R12180

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



R12181

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 OIL RESERVOIR**
 - (a) Remove the 3 bolts and oil reservoir.
 - (b) Remove the O-ring from the oil reservoir.
4. **REMOVE PRESSURE PORT UNION, FLOW CONTROL VALVE AND SPRING**

Remove the O-ring from the union.

5. **REMOVE BRACKET**

Remove the 2 bolts.

6. **REMOVE REAR HOUSING**

- (a) Remove the 2 bolts.
- (b) Remove the 2 O-rings from the housing.

7. **REMOVE WAVE WASHER**

8. **REMOVE SIDE PLATE**

9. **REMOVE GASKET**

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

- (a) Remove the 10 plates.

NOTICE:

Take care not to drop the plate.

- (b) Using a screwdriver, remove the snap ring from the vane pump shaft.

11. **REMOVE VANE PUMP SHAFT**

12. **REMOVE STRAIGHT PINS**

Remove the 2 pins from the front housing.