

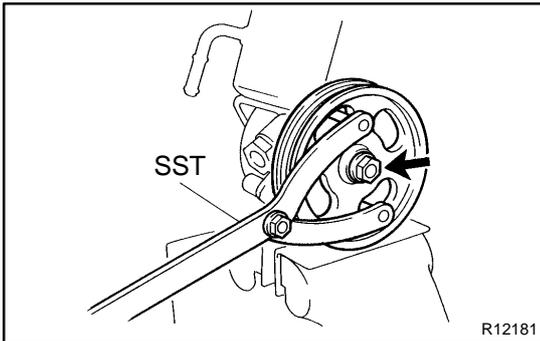
R12180

## 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**



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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**
  - (a) Remove the pressure port union, flow control valve and spring.
  - (b) Remove the O-ring from the union.
5. **REMOVE BRACKET**  
Remove the 2 bolts and bracket.
6. **REMOVE REAR HOUSING**
  - (a) Remove the 2 bolts.
  - (b) 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**
  - (a) Remove the cam ring and 10 plates.

### NOTICE:

Take care not to drop the plate.

- (b) Using a screwdriver, remove the snap ring from the vane pump shaft.
- (c) Remove the vane pump rotor.
11. **REMOVE VANE PUMP SHAFT**
12. **REMOVE STRAIGHT PINS**  
Remove the 2 pins from the front housing.