

## 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:

**0.3 N·m (2.8 kgf·cm, 2.4 in.·lbf) or less**

#### 2. REMOVE SUCTION PORT UNION

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

#### 3. REMOVE PRESSURE PORT UNION, FLOW CONTROL VALVE AND SPRING

Remove the O-ring from the union.

#### 4. REMOVE REAR HOUSING

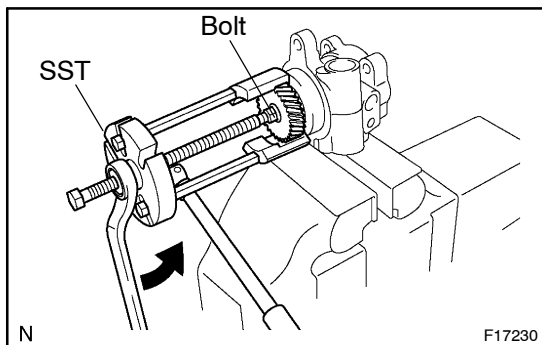
- Remove the 4 bolts.
- Remove the gasket from the housing.

#### 5. REMOVE CAM RING, VANE PUMP ROTOR, 10 VANE PLATES, AND SIDE PLATE

Remove the 2 O-rings.

### NOTICE:

- Take care not to drop the vane plate.
- Be careful not to scratch the side plate.

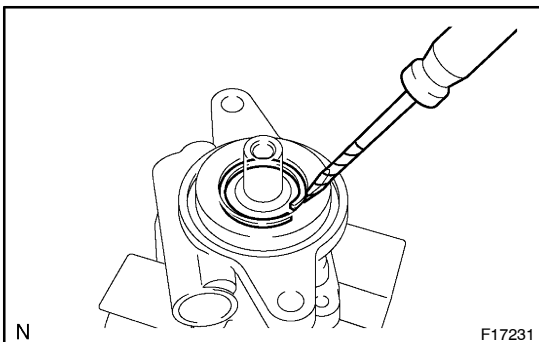


#### 6. REMOVE VANE PUMP DRIVE GEAR

- Temporarily install the bolt to the shaft.
  - Using SST, pull out the gear.
- SST 09950-30010 (09951-03010, 09953-03010, 09954-03010, 09955-03020)

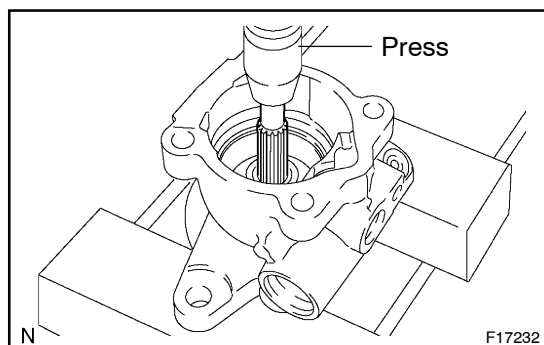
### NOTICE:

Be careful not to damage the gear.



#### 7. REMOVE VANE PUMP SHAFT WITH BEARING

- Using a screwdriver, remove the snap ring.



(b) Press out the shaft with the bearing.