

DISASSEMBLY

NOTICE:

When using a vise, do not overtighten it.

1. **MEASURE PS VANE PUMP ROTATING TORQUE**
(See page [SR-46](#))
2. **REMOVE VANE PUMP PULLEY**
(See page [SR-46](#))
3. **REMOVE OIL RESERVOIR**
 - (a) Remove the 3 bolts.
 - (b) Remove the O-ring from the reservoir.
4. **REMOVE PRESSURE PORT UNION, FLOW CONTROL VALVE AND SPRING**

Remove the O-ring from the union.

5. **REMOVE REAR HOUSING**

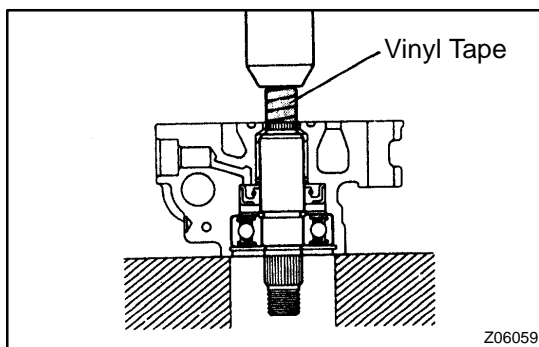
Remove the 2 bolts.

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

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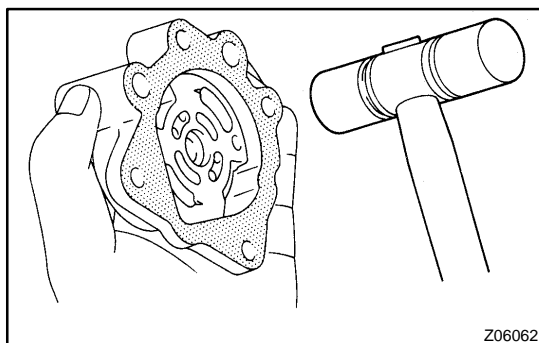
Take care not to drop the plates.

7. **REMOVE 2 STRAIGHT PINS**
8. **REMOVE GASKET**



9. **REMOVE VANE PUMP SHAFT WITH BEARING**

- (a) Using snap ring pliers, remove the snap ring from the front housing.
- (b) Wind vinyl tape on the serrated part of the shaft.
- (c) Using a press, press out the shaft with the bearing.



10. **REMOVE SIDE PLATE AND WAVE WASHER**

- (a) Using a plastic hammer, tap out the plate and wave washer.
- (b) Remove the 2 O-rings from the rear housing.