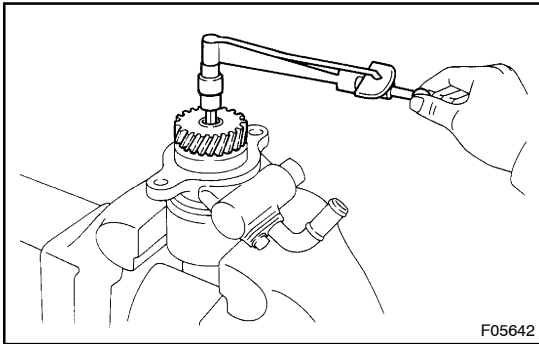




DISASSEMBLY

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:

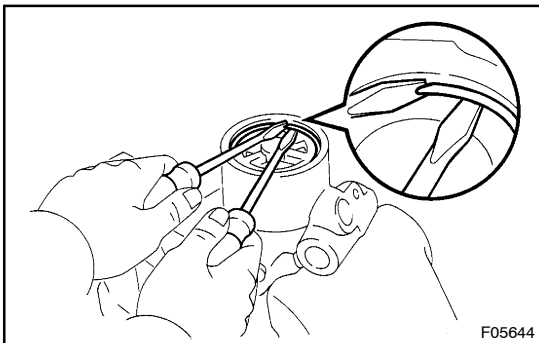
0.3 N·m (2.8 kgf·cm, 2.4 in·lbf) or less

2. REMOVE SUCTION PORT UNION

- (a) Remove the bolt.
- (b) Remove the O-ring from the union.

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

Remove the O-ring from the union.

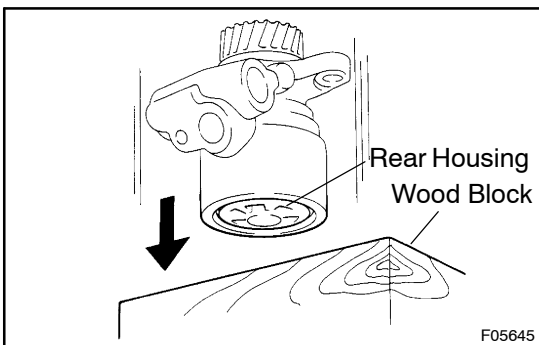


4. REMOVE REAR HOUSING

- (a) Using 2 screwdrivers, remove the snap ring.

NOTICE:

Take care not to damage the housing.



- (b) Gently tap the PS pump assembly on a wood block and remove the rear housing.

- (c) Remove the O-ring from the housing.

5. REMOVE CAM RING, VANE PUMP ROTOR, 10 VANE PLATES, 2 STRAIGHT PINS, SIDE PLATE AND 2 WAVE WASHERS

Remove the 2 O-rings from the side plate.

NOTICE:

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

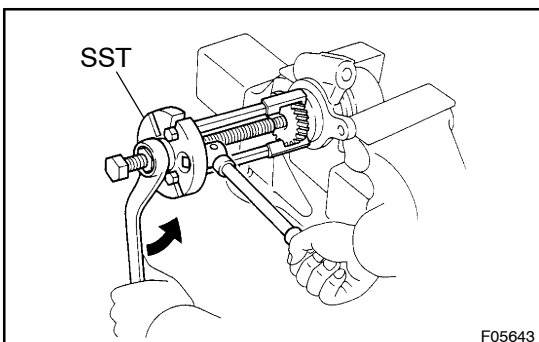
6. REMOVE VANE PUMP DRIVE GEAR

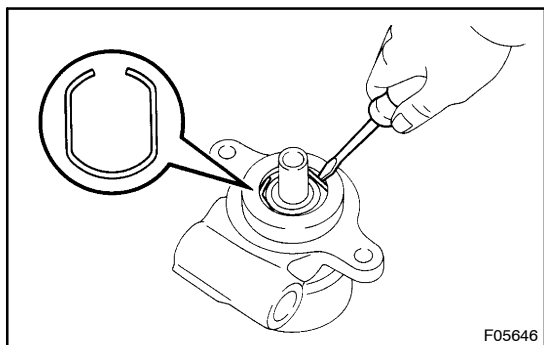
Using SST, pull out the gear.

SST 09950-30010 (09951-03010, 09953-03010, 09954-03010, 09955-03020)

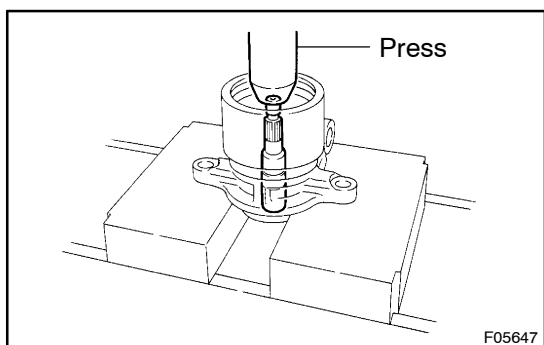
NOTICE:

Be careful not to damage the gear.



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

(a) Using a screwdriver, remove the snap ring.



(b) Press out the shaft with the bearing.